Shipment Survey

Survey Number: GTE05I 8785 Date: 10-28-03 Time: 1012

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4169 Storage Bin: 47 Gross Weight: 22150 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	32	<MDA
2	1		23	
3	1		34	
4	3		30	
5	2		25	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Lefferd — Surveyor Name

Surveyor Signature

Supervisor Approval

06611-S-110214169-00.5

Date: 10/28/03 Time:1024

10-28-03 10:12 Bag# 4169

22150 lb GR

102803 1012 4169 0022150

212653

Shipment Survey

Survey Number: GTEOSI 8789 Date: 10-28-03 Time: 1037

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4174 Storage Bin: 48 Gross Weight: 21890 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	40	<MDA
2	1		28	
3	~~0~~		25	
4	2		32	
5	~~0~~		20	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBlanc — Surveyor Name

Surveyor Signature

Supervisor Approval

06617-S-110214174-01.0

Date: 10/28/03 Time:1034

10-28-03 10:37 Bag# 4174

21890 lb GR

102803 1037 4174 0021890

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I 8791 Date: 10-28-03 Time: 1049

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4183 Storage Bin: 48 Gross Weight: 21570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	31	<MDA
2	0		22	
3	0		32	
4	1		39	
5	0		25	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy
Surveyor Name

Surveyor Signature

Supervisor Approval

06612-S-14X124183-06.0
Date: 10/28/03 Time:1024

10-28-03 10:49 Bag# 4183
21570 lb GR
102803 1049 4183 0021570

Shipment Survey

Survey Number: GTE05I 8790 Date: 10-28-03 Time: 1046

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4185 Storage Bin: 48 Gross Weight: 21120 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

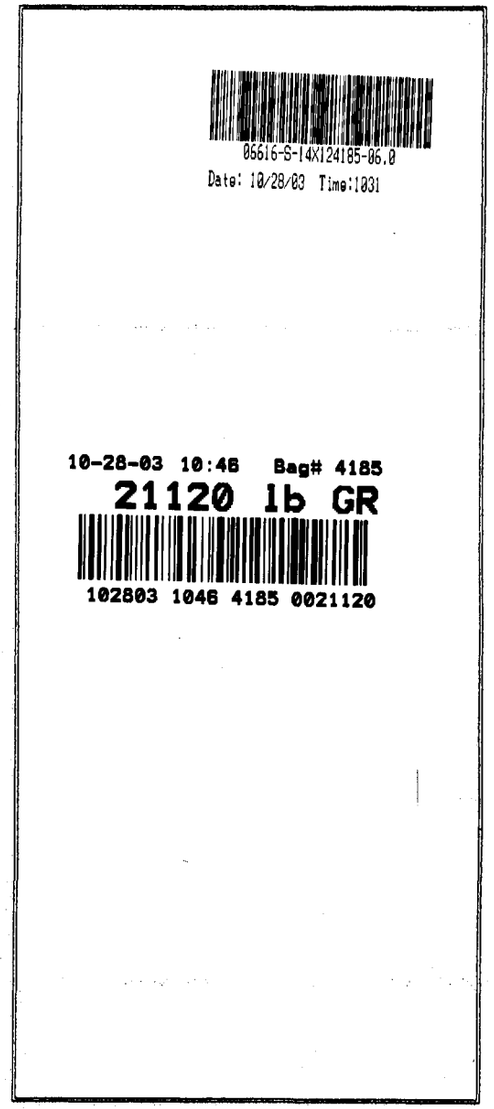
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	21	<MDA
2	Ø		35	
3	1		27	
4	Ø		20	
5	4		35	
6	2		46	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTE05I 8795 Date: 10-28-03 Time: 1118

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4190 Storage Bin: 49 Gross Weight: 24000 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	17	<MDA
2	Ø		23	
3	1		23	
4	6		30	
5	1		33	
6	Ø		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LPage

Surveyor Name — Surveyor Signature

Supervisor Approval

06621-S-110214190-05.0

Date: 10/28/03 Time:1121

10-28-03 11:20 Bag# 4190

24000 lb GR

102803 1120 4190 0024000

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I 8792 Date: 10-28-03 Time: 1058

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4191 Storage Bin: 48 Gross Weight: 21710 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	29	<MDA
2	Ø		27	
3	1		28	
4	1		29	
5	3		25	
6	1		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06619-S-110214191-01.0
Date: 10/28/03 Time:1109

10-28-03 10:58 Bag# 4191
21710 lb GR
102803 1058 4191 0021710

Shipment Survey

Survey Number: GTE05I 8793 Date: 10-28-03 Time: 1104

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4192 Storage Bin: 49 Gross Weight: 23850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

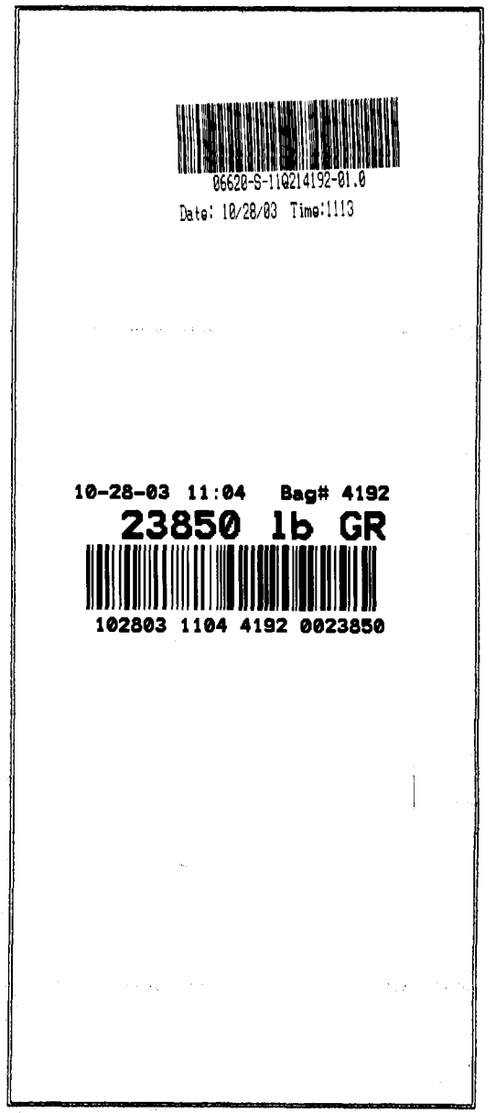
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	20	<MDA
2	Ø		18	
3	1		25	
4	Ø		31	
5	Ø		25	
6	Ø		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTE05I 8794 Date: 10-28-03 Time: 1113

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4193 Storage Bin: 49 Gross Weight: 23890 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	41	LMDA
2	1		20	
3	0		30	
4	1		25	
5	0		23	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06622-S-110214193-05.0
Date: 10/28/03 Time:1133

10-28-03 11:14 Bag# 4193
23890 lb GR
102803 1114 4193 0023890

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I- 8800 Date: 10-27-03 Time: 1240

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4200 Storage Bin: 50 Gross Weight: 20190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	21	<MDA
2	0		23	
3	5		27	
4	5		46	
5	3		40	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington
Surveyor Name

Cathy Buffington
Surveyor Signature

Supervisor Approval

06633-S-110214200-05.0
Date: 10/28/03 Time:1151

10-28-03 12:40 Bag# 4200
20190 lb GR
102803 1240 4200 0020190

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-463
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101411

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt — DATE: 11/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-463

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt — DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0276E+00	2.4399E-01	NA	22150 LBS; 175 FT3	4169
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1755E+01	3.1769E-01	NA	21890 LBS; 173 FT3	4174
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5175E+00	6.8042E-02	NA	21570 LBS; 171 FT3	4183
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9548E+00	1.6094E-01	NA	21120 LBS; 167 FT3	4185
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0978E+01	2.9669E-01	NA	24000 LBS; 190 FT3	4190
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3720E+00	2.5330E-01	NA	21710 LBS; 172 FT3	4191

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-463

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6318E+01	4.4102E-01	NA	23850 LBS; 189 FT3	4192
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.3085E+00	2.2455E-01	NA	23890 LBS; 189 FT3	4193
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.7552E+00	2.6366E-01	NA	20190 LBS; 160 FT3	4200

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 44.9105 / ft3 1586.0000	kg 90559.7226 / ton 99.8250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	8.3986E+01	NP	NP	NP	NP	(kg)	6.8183E+00
mCi	2.2699E+00	NP	NP	NP	NP	(tons)	7.5159E-03

2. MANIFEST NUMBER 0840-01-463

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-463

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4169/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10047.0717	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.3514E-07 kg]	2.83227E-01	1.0500E-01	2.8379E-03	AU
		175.0000	11.0750	0.0100	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.0320E-01 kg]	1.13291E+00	4.2002E-01	1.1352E-02	
												U-nat [3.2367E-01 kg]	2.29348E+01	8.5026E+00	2.2980E-01	
												Subtotal		9.0276E+00	2.4399E-01	
												Total Source [4.2686E-01 kg]		9.0276E+00	2.4399E-01	
4174/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9929.1376	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [1.5015E-06 kg]	3.18440E+00	1.1666E+00	3.1531E-02	AU
		173.0000	10.9450	0.0100	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [1.1466E+00 kg]	1.27376E+01	4.6664E+00	1.2612E-01	
												U-nat [2.2541E-01 kg]	1.61630E+01	5.9215E+00	1.6004E-01	
												Subtotal		1.1755E+01	3.1769E-01	
												Total Source [1.3720E+00 kg]		1.1755E+01	3.1769E-01	
4183/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9783.9881	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [5.5554E-08 kg]	1.19574E-01	4.3164E-02	1.1666E-03	AU
		171.0000	10.7850	0.0100	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [4.2423E-02 kg]	4.78298E-01	1.7266E-01	4.6665E-03	
												U-nat [8.7619E-02 kg]	6.37623E+00	2.3017E+00	6.2209E-02	
												Subtotal		2.5175E+00	6.8042E-02	
												Total Source [1.3004E-01 kg]		2.5175E+00	6.8042E-02	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-463

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4185/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.7289	9579.8715	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [7.6746E-08 kg]	1.68723E-01	5.9633E-02	1.6117E-03	AU
		167.0000	10.5600	0.0100	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [5.8606E-02 kg]	6.74894E-01	2.3853E-01	6.4467E-03	
												U-nat [2.1532E-01 kg]	1.60045E+01	5.6566E+00	1.5288E-01	
												Subtotal		5.9548E+00	1.6094E-01	
												Total Source [2.7393E-01 kg]		5.9548E+00	1.6094E-01	
4190/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.3802	10886.2176	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3802	100	OXIDES/NONE	0.00	Th-230 [3.5337E-07 kg]	6.83333E-01	2.7457E-01	7.4208E-03	AU
		190.0000	12.0000	0.0300	<2.2000E+02	<2.2000E+03		190.0000				Th-232 [2.6985E-01 kg]	2.73333E+00	1.0983E+00	2.9683E-02	
												U-nat [3.6562E-01 kg]	2.39040E+01	9.6048E+00	2.5959E-01	
												Subtotal		1.0978E+01	2.9669E-01	
												Total Source [6.3547E-01 kg]		1.0978E+01	2.9669E-01	
4191/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.8705	9847.4910	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.3471E-07 kg]	2.88085E-01	1.0467E-01	2.8290E-03	AU
		172.0000	10.8550	0.0400	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.0287E-01 kg]	1.15234E+00	4.1869E-01	1.1316E-02	
												U-nat [3.3684E-01 kg]	2.43537E+01	8.8486E+00	2.3915E-01	
												Subtotal		9.3720E+00	2.5330E-01	
												Total Source [4.3971E-01 kg]		9.3720E+00	2.5330E-01	
4192/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.3519	10818.1787	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3519	100	OXIDES/NONE	0.00	Th-230 [2.3981E-06 kg]	4.66667E+00	1.8634E+00	5.0361E-02	AU
		189.0000	11.9250	0.0400	<2.2000E+02	<2.2000E+03		189.0000				Th-232 [1.8313E+00 kg]	1.86667E+01	7.4533E+00	2.0144E-01	
												U-nat [2.6650E-01 kg]	1.75335E+01	7.0011E+00	1.8922E-01	
												Subtotal		1.6318E+01	4.4102E-01	
												Total Source [2.0978E+00 kg]		1.6318E+01	4.4102E-01	
4193/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.3519	10836.3224	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3519	100	OXIDES/NONE	0.00	Th-230 [3.9994E-07 kg]	7.76950E-01	3.1075E-01	8.3986E-03	AU
		189.0000	11.9450	0.0300	<2.2000E+02	<2.2000E+03		189.0000				Th-232 [3.0541E-01 kg]	3.10780E+00	1.2430E+00	3.3595E-02	
												U-nat [2.5712E-01 kg]	1.68880E+01	6.7547E+00	1.8256E-01	
												Subtotal		8.3085E+00	2.2455E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-463

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.6253E-01 kg]		8.3085E+00	2.2455E-01	
4200/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9158.0306	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [8.2604E-07 kg]	1.90000E+00	6.4184E-01	1.7347E-02	AU
												Th-232 [6.3080E-01 kg]	7.60000E+00	2.5674E+00	6.9388E-02	
		160.0000	10.0950	0.0400	<2.2000E+02	<2.2000E+03		160.0000				U-nat [2.4918E-01 kg]	1.93781E+01	6.5460E+00	1.7692E-01	
												Subtotal		9.7552E+00	2.6366E-01	
												Total Source [8.7998E-01 kg]		9.7552E+00	2.6366E-01	
Shipment Totals		44.9105	90886.3092									Source [6.8183E+00 kg]		8.3986E+01	2.2699E+00	
		1586.0000	100.1850													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-463
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-463
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	4.5696E+00	1.2350E-01
Th-232	1.8278E+01	4.9401E-01
U-nat	6.1138E+01	1.6524E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-463
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101411

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 11/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-463

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64717

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11-17-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0276E+00	2.4399E-01	NA	22150 LBS; 175 FT3	4169
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1755E+01	3.1769E-01	NA	21890 LBS; 173 FT3	4174
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5175E+00	6.8042E-02	NA	21570 LBS; 171 FT3	4183
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9548E+00	1.6094E-01	NA	21120 LBS; 167 FT3	4185
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0978E+01	2.9669E-01	NA	24000 LBS; 190 FT3	4190
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3720E+00	2.5330E-01	NA	21710 LBS; 172 FT3	4191

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;UR827010-039: 112503 • 0649

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-463	LIRR	JTSX 101411

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 11/4/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01-461, 462, 463, 464

uck Number- 36, 38

ailer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box

1. Driver possesses a valid driver's license with a HAZMAT endorsement ✓
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ✓
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~✓~~
4. Lamps are operable ✓
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ✓
6. Tires are sufficient ✓
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of >1/8 inch
   - Other tires must have tread pattern to a depth of >1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ✓
8. Windshield wipers are operable ✓
9. Rear-vision mirrors are adequate (1 on each side) ✓
10. Emergency equipment is on-hand and accessible ✓
    - Fire extinguisher
    - Warning devices - bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ✓
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ✓
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~✓~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ✓

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-4-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101411

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4191	21710
	Liner	4185	21120
			Total:
			42830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101411

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4169	22150
	Liner	4183	21570
			Total:
			43720
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101411

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4174	21890
	Liner	4192	23850
			Total:
			45740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101411

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4190	24000
	Liner	4193	23890
			Total:
			47890
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101411

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4200	20190
	Liner		0
			Total:
			20190
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200900	22150	21570	21710	21120	24000	23890	21890	23850	20190
	0840-01-463	Bag #	4169	4183	4191	4185	4190	4193	4174	4192	4200
	Storage Loc.										
101411	11/4/2003	200900	178750	157180	135470	114350	90350	66460	44570	20720	530

Daily Shipping checklist for Trucks and Packages

Date: 11/4/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4169		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4174		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4183		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4185		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4190		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4191		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4192		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4193		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4200		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8808 Date: 10-28-03 Time: 1420

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4186 Storage Bin: 52 Gross Weight: 22570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	30	<MDA
2	~~0~~		37	
3	3		39	
4	~~0~~		22	
5	~~0~~		26	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06645-S-14X124186-06.0

Date: 10/28/03 Time:1408

10-28-03 14:20 Bag# 4186

22570 lb GR

102803 1420 4186 0022570

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8806 Date: 10-28-03 Time: 1336

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4187 Storage Bin: 52 Gross Weight: 21980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	32	<MDA
2	5		39	
3	3		29	
4	1		41	
5	5		26	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06646-S-14X124187-06.0
Date: 10/28/03 Time:1411

10-28-03 13:36 Bag# 4187
21980 lb GR
102803 1336 4187 0021980

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 8799 Date: 10-28-03 Time: 1235

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4196 Storage Bin: 50 Gross Weight: 17850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	0		23	
3	2		26	
4	2		28	
5	0		21	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

06636-S-11Q214196-05.0

Date: 10/28/03 Time:1153

10-28-03 12:35 Bag# 4196

17850 lb GR

102803 1235 4196 0017850

Shipment Survey

Survey Number: GTEOSI 8801 Date: 10-28-03 Time: 1248

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4197 Storage Bin: 51 Gross Weight: 20410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	5	<MDA	46	<MDA
2	0		17	
3	0		31	
4	0		33	
5	6		38	
6	3		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Debra LRoy

Surveyor Name — Surveyor Signature

Supervisor Approval

06638-S-11Q214197-05.0
Date: 10/28/03 Time:1326

10-28-03 12:48 Bag# 4197
20410 lb GR
102803 1248 4197 0020410

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8807 Date: 10-28-03 Time: 1416

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4202 Storage Bin: 52 Gross Weight: 21120 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	28	<MDA
2	1		28	
3	3		34	
4	4		35	
5	0		29	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

06643-S-110214202-10.0
Date: 10/28/03 Time:1345

10-28-03 14:16 Bag# 4202
21120 lb GR
102803 1416 4202 0021120

Shipment Survey

Survey Number: GTEOSI 8804 Date: 10-28-03 Time: 1318

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4203 Storage Bin: 53 Gross Weight: 22660 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	28	<MDA
2	1		30	
3	1		28	
4	~~0~~		31	
5	1		23	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06641-S-110214203-00.5

Date: 10/28/03 Time:1332

10-28-03 13:18 Bag# 4203

22660 lb GR

102803 1318 4203 0022660

Shipment Survey

Survey Number: GTEOSI 8810 Date: 10-28-03 Time: 1439

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4208 Storage Bin: 53 Gross Weight: 21290 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	35	<MDA
2	1		28	
3	7		38	
4	5		36	
5	~~0~~		34	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePrade — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06647-S-14X124208-06.0

Date: 10/28/03 Time:1414

10-28-03 14:39 Bag# 4208

21290 lb GR

102803 1439 4208 0021290

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8811 Date: 10-28-03 Time: 1448

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4209 Storage Bin: 53 Gross Weight: 21170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	< MDA	43	< MDA
2	~~0~~		28	
3	~~0~~		30	
4	~~0~~		31	
5	3		31	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

06648-S-14Y124209-84.0
Date: 10/28/03 Time:1449

10-28-03 14:48 Bag# 4209
21170 lb GR
102803 1448 4209 0021170

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8820 Date: 10-28-03 Time: 1547

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4218 Storage Bin: 55 Gross Weight: 20150 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	0		22	
3	1		29	
4	0		34	
5	0		24	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06658-S-14Y124218-04.0
Date: 10/28/03 Time:1541

10-28-03 15:47 Bag# 4218
20150 lb GR
102803 1547 4218 0020150

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantlague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-464
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101423
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*
DATE: 11/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-464

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Broker GTEOSI | DATE: 11/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3846E+00	9.1474E-02	NA	22570 LBS; 178 FT3	4186
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5437E+00	1.2280E-01	NA	21980 LBS; 174 FT3	4187
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.0389E+00	2.1727E-01	NA	17850 LBS; 141 FT3	4196
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4843E+01	4.0116E-01	NA	20410 LBS; 161 FT3	4197
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3907E+00	1.9975E-01	NA	21120 LBS; 167 FT3	4202
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.6014E+00	2.5949E-01	NA	22660 LBS; 179 FT3	4203

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-464

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4172E+00	6.5328E-02	NA	21290 LBS; 168 FT3	4208
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5141E+00	9.4976E-02	NA	21170 LBS; 167 FT3	4209
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8700E+00	7.7567E-02	NA	20150 LBS; 159 FT3	4218

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.3053	kg 85493.0956	NP	NP	NP	NP
	ft3 1494.0000	ton 94.2400				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.6604E+01	NP	NP	NP	NP	(kg)	3.9438E+00
mCi	1.5298E+00	NP	NP	NP	NP	(tons)	4.3473E-03

2. MANIFEST NUMBER 0840-01-464

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-464

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4186/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10237.5805	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [7.3656E-08 kg]	1.51489E-01	5.7232E-02	1.5468E-03	AU
		178.0000	11.2850	0.0300	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [5.6246E-02 kg]	6.05957E-01	2.2892E-01	6.1871E-03	
												U-nat [1.1794E-01 kg]	8.20138E+00	3.0984E+00	8.3740E-02	
												Subtotal		3.3846E+00	9.1474E-02	
												Total Source [1.7419E-01 kg]		3.3846E+00	9.1474E-02	
4187/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9969.9610	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [7.3655E-08 kg]	1.55567E-01	5.7228E-02	1.5467E-03	AU
		174.0000	10.9900	0.0100	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [5.6245E-02 kg]	6.22270E-01	2.2892E-01	6.1870E-03	
												U-nat [1.6206E-01 kg]	1.15729E+01	4.2576E+00	1.1507E-01	
												Subtotal		4.5437E+00	1.2280E-01	
												Total Source [2.1831E-01 kg]		4.5437E+00	1.2280E-01	
4196/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.9927	8096.6243	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9927	100	OXIDES/NONE	0.00	Th-230 [6.6739E-07 kg]	1.73723E+00	5.1856E-01	1.4015E-02	AU
		141.0000	8.9250	0.0300	<2.2000E+02	<2.2000E+03		141.0000				Th-232 [5.0965E-01 kg]	6.94894E+00	2.0743E+00	5.6061E-02	
												U-nat [2.0731E-01 kg]	1.82444E+01	5.4460E+00	1.4719E-01	
												Subtotal		8.0389E+00	2.1727E-01	
												Total Source [7.1695E-01 kg]		8.0389E+00	2.1727E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-464

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4197/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9257.8209	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [7.3751E-07 kg]	1.67801E+00	5.7306E-01	1.5488E-02	AU
		161.0000	10.2050	0.0300	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [5.6319E-01 kg]	6.71206E+00	2.2922E+00	6.1951E-02	
												U-nat [4.5595E-01 kg]	3.50736E+01	1.1978E+01	3.2372E-01	
												Subtotal		1.4843E+01	4.0116E-01	
												Total Source [1.0191E+00 kg]		1.4843E+01	4.0116E-01	
4202/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9579.8715	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [3.8696E-07 kg]	8.50709E-01	3.0067E-01	8.1261E-03	AU
		167.0000	10.5600	0.0300	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [2.9550E-01 kg]	3.40284E+00	1.2026E+00	3.2504E-02	
												U-nat [2.2412E-01 kg]	1.66582E+01	5.8874E+00	1.5912E-01	
												Subtotal		7.3907E+00	1.9975E-01	
												Total Source [5.1961E-01 kg]		7.3907E+00	1.9975E-01	
4203/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10278.4038	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [7.7032E-07 kg]	1.57801E+00	5.9855E-01	1.6177E-02	AU
		179.0000	11.3300	0.0200	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [5.8825E-01 kg]	6.31206E+00	2.3942E+00	6.4707E-02	
												U-nat [2.5157E-01 kg]	1.74234E+01	6.6086E+00	1.7861E-01	
												Subtotal		9.6014E+00	2.5949E-01	
												Total Source [8.3981E-01 kg]		9.6014E+00	2.5949E-01	
4208/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9656.9822	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [4.4033E-08 kg]	9.60284E-02	3.4214E-02	9.2469E-04	AU
		168.0000	10.6450	0.0400	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [3.3625E-02 kg]	3.84113E-01	1.3686E-01	3.6988E-03	
												U-nat [8.5501E-02 kg]	6.30421E+00	2.2461E+00	6.0705E-02	
												Subtotal		2.4172E+00	6.5328E-02	
												Total Source [1.1913E-01 kg]		2.4172E+00	6.5328E-02	
4209/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9602.5511	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [7.1092E-08 kg]	1.55922E-01	5.5237E-02	1.4929E-03	AU
		167.0000	10.5850	0.0300	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [5.4288E-02 kg]	6.23688E-01	2.2095E-01	5.9717E-03	
												U-nat [1.2326E-01 kg]	9.13964E+00	3.2379E+00	8.7511E-02	
												Subtotal		3.5141E+00	9.4976E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-464

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [1.7754E-01 kg]		3.5141E+00	9.4976E-02	
4218/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9139.8869	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [8.0978E-08 kg]	1.86631E-01	6.2919E-02	1.7005E-03	AU
		159.0000	10.0750	0.0200	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [6.1838E-02 kg]	7.46525E-01	2.5168E-01	6.8022E-03	
												U-nat [9.7273E-02 kg]	7.57964E+00	2.5554E+00	6.9064E-02	
												Subtotal		2.8700E+00	7.7567E-02	
												Total Source [1.5911E-01 kg]		2.8700E+00	7.7567E-02	
Shipment Totals		42.3053	85819.6822									Source [3.9438E+00 kg]		5.6604E+01	1.5298E+00	
		1494.0000	94.6000													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-464
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-464
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	2.2577E+00	6.1018E-02
Th-232	9.0306E+00	2.4407E-01
U-nat	4.5315E+01	1.2247E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-464
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) 1

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101423

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 11/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-464

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64720

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11-17-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3846E+00	9.1474E-02	NA	22570 LBS; 178 FT3	4186
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5437E+00	1.2280E-01	NA	21980 LBS; 174 FT3	4187
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.0389E+00	2.1727E-01	NA	17850 LBS; 141 FT3	4196
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4843E+01	4.0116E-01	NA	20410 LBS; 161 FT3	4197
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3907E+00	1.9975E-01	NA	21120 LBS; 167 FT3	4202
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.6014E+00	2.5949E-01	NA	22660 LBS; 179 FT3	4203

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;UR827010-039: 112503 • 0650

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-464	LTRR	JTSX 101423

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 11/4/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

Shipment Number- 0840-01-461, 462, 463, 464

Truck Number- 36, 38

Trailer Number- 225, 226

A qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the corresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~ N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~ N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-4-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101423

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4196	17850
	Liner		0
			Total:
			17850
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101423

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4203	22660
	Liner	4218	20150
			Total:
			42810
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101423
TR:	TL:	

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4186	22570
	Liner	4187	21980
			Total:
			44550
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101423

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4197	20410
	Liner	4209	21170
			Total:
			41580
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101423

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4202	21120
	Liner	4208	21290
			Total:
			42410
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/4/2003
Transporter	Signature		Date
Priority Transport			11/4/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200900	17850	22660	20150	22570	21980	20410	21170	21120	21290
	0840-01-464	Bag #	4196	4203	4218	4186	4187	4197	4209	4202	4208
	Storage Loc.										
101423	11/4/2003	200900	183050	160390	140240	117670	95690	75280	54110	32990	11700

Daily Shipping checklist for Trucks and Packages

Date: 11/4/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		MS	
2		MS	

Gondola has been inspected for proper marking and labeling. Int. MS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4186		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4187		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4196		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4197		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4202		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4203		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4208		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4209		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4218		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8821 Date: 10-28-03 Time: 1551

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4215 Storage Bin: 56 Gross Weight: 23720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	25	<MDA
2	Ø		22	
3	Ø		29	
4	Ø		26	
5	3		30	
6	Ø		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

06659-S-11Q214215-13.0

Date: 10/28/03 Time:1553

10-28-03 15:51 Bag# 4215

23720 lb GR

102803 1551 4215 0023720

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8826 Date: 10-28-03 Time: 1613

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4219 Storage Bin: 57 Gross Weight: 22220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	21	<MDA
2	Ø		28	
3	1		27	
4	3		15	
5	Ø		28	
6	2		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Debra LeRoy
Surveyor Name — Surveyor Signature

Supervisor Approval

06661-S-110214219-14.0
Date: 10/28/03 Time:1559

10-28-03 16:13 Bag# 4219
22220 lb GR
102803 1613 4219 0022220

Shipment Survey

Survey Number: GTEOSI 8825 Date: 10-28-03 Time: 1610

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4224 Storage Bin: 57 Gross Weight: 20490 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	23	<MDA
2	0		25	
3	2		31	
4	0		29	
5	0		28	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

06665-S-14Y124224-04.0

Date: 10/28/03 Time:1612

10-28-03 16:10 Bag# 4224

20490 lb GR

102803 1610 4224 0020490

Shipment Survey

Survey Number: GTEOSI 8830 Date: 10-28-03 Time: 1628

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4227 Storage Bin: 58 Gross Weight: 20330 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	25	<MDA
2	~~0~~		26	
3	1		33	
4	~~0~~		32	
5	3		26	
6	1		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06668-S-14Y124227-04.0
Date: 10/28/03 Time:1632

10-28-03 16:28 Bag# 4227
20330 lb GR
102803 1628 4227 0020330

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8829 Date: 10-28-03 Time: 1625

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4228 Storage Bin: 58 Gross Weight: 20350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	19	LMDA
2	0		22	
3	0		25	
4	4		26	
5	3		26	
6	1		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06666-S-14Y124228-04.0

Date: 10/28/03 Time:1625

10-28-03 16:25 Bag# 4228

20350 lb GR

102803 1625 4228 0020350

Shipment Survey

Survey Number: GTEOSI 8838 Date: 10-29-03 Time: 0945

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4232 Storage Bin: 60 Gross Weight: 21900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	32	<MDA
2	Ø		28	
3	Ø		23	
4	Ø		30	
5	2		24	
6	Ø		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06677-S-11P224232-10.0
Date: 10/29/03 Time:1002

10-29-03 9:45 Bag# 4232
21900 lb GR
102903 0945 4232 0021900

Shipment Survey

Survey Number: GTEOSI 8839 Date: 10-29-03 Time: 0956

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4233 Storage Bin: 60 Gross Weight: 20760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

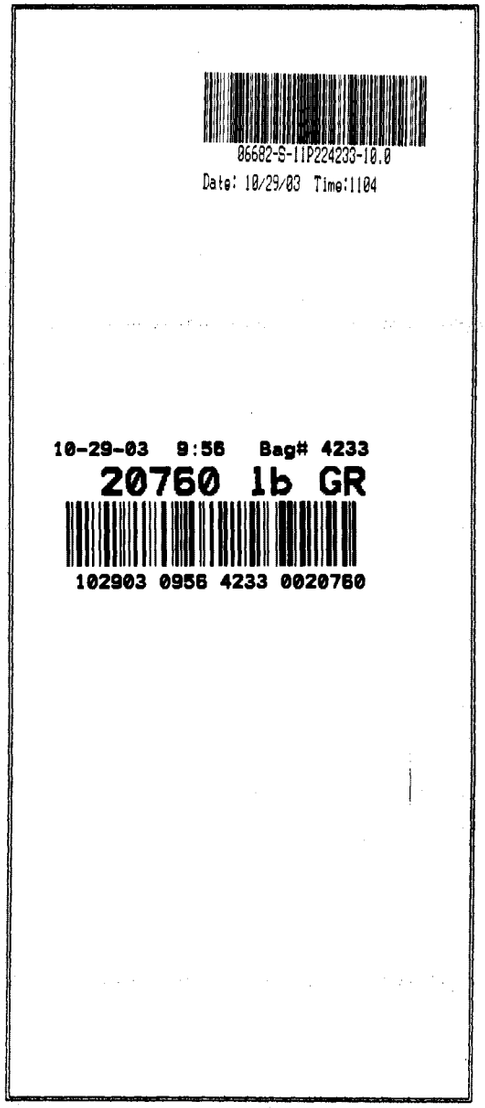
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	23	LMDA
2	Ø		16	
3	Ø		23	
4	2		24	
5	Ø		31	
6	1		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8840 Date: 10-29-03 Time: 1005

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4235 Storage Bin: 60 Gross Weight: 21740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 103 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	27	<MDA
2	1		25	
3	Ø		25	
4	Ø		23	
5	Ø		14	
6	Ø		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

06678-S-11P224235-10.0
Date: 10/29/03 Time:1032

10-29-03 10:05 Bag# 4235
21740 lb GR
102903 1005 4235 0021740

Shipment Survey

Survey Number: GTEOSI 8837 Date: 10-29-03 Time: 0936

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4240 Storage Bin: 60 Gross Weight: 20500 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	23	<MDA
2	1		24	
3	1		24	
4	~~0~~		26	
5	~~0~~		29	
6	~~0~~		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06675-S-110214240-14.0
Date: 10/29/03 Time:0934

10-29-03 9:36 Bag# 4240
20500 lb GR
102903 0936 4240 0020500

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantlague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-465
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100024
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 11/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-465

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3487E+00	1.9861E-01	NA	23720 LBS; 188 FT3	4215
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8700E+00	2.1270E-01	NA	22220 LBS; 176 FT3	4219
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7438E+00	2.0929E-01	NA	20490 LBS; 162 FT3	4224
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1519E+00	1.6627E-01	NA	20330 LBS; 161 FT3	4227
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5489E+00	1.2294E-01	NA	20350 LBS; 161 FT3	4228
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.7446E+00	2.3634E-01	NA	21900 LBS; 173 FT3	4232

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-465

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.7050E+00	1.8122E-01	NA	20760 LBS; 164 FT3	4233
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.7013E+00	1.5409E-01	NA	21740 LBS; 172 FT3	4235
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1174E+00	1.9236E-01	NA	20500 LBS; 162 FT3	4240

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.0133 / ft3 1519.0000	kg 86767.6901 / ton 95.6450	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.1932E+01	NP	NP	NP	NP	(kg)	3.7398E+00
mCi	1.6738E+00	NP	NP	NP	NP	(tons)	4.1224E-03

2. MANIFEST NUMBER 0840-01-465

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-465

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4215/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3236	10759.2117	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3236	100	OXIDES/NONE	0.00	Th-230 [2.4575E-07 kg]	4.80851E-01	1.9095E-01	5.1608E-03	AU
		188.0000	11.8600	0.0200	<2.2000E+02	<2.2000E+03		188.0000				Th-232 [1.8766E-01 kg]	1.92340E+00	7.6379E-01	2.0643E-02	
												U-nat [2.4339E-01 kg]	1.61010E+01	6.3940E+00	1.7281E-01	
												Subtotal		7.3487E+00	1.9861E-01	
												Total Source [4.3105E-01 kg]		7.3487E+00	1.9861E-01	
4219/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10078.8231	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [3.4524E-07 kg]	7.21277E-01	2.6825E-01	7.2500E-03	AU
		176.0000	11.1100	0.0300	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [2.6364E-01 kg]	2.88511E+00	1.0730E+00	2.9000E-02	
												U-nat [2.4852E-01 kg]	1.75541E+01	6.5287E+00	1.7645E-01	
												Subtotal		7.8700E+00	2.1270E-01	
												Total Source [5.1215E-01 kg]		7.8700E+00	2.1270E-01	
4224/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9294.1083	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [6.5921E-08 kg]	1.49397E-01	5.1219E-02	1.3843E-03	AU
		162.0000	10.2450	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [5.0340E-02 kg]	5.97589E-01	2.0488E-01	5.5373E-03	
												U-nat [2.8502E-01 kg]	2.18391E+01	7.4877E+00	2.0237E-01	
												Subtotal		7.7438E+00	2.0929E-01	
												Total Source [3.3536E-01 kg]		7.7438E+00	2.0929E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-465

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4227/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9221.5335	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [8.4918E-08 kg]	1.93972E-01	6.5982E-02	1.7833E-03	AU
		161.0000	10.1650	0.0300	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [6.4847E-02 kg]	7.75887E-01	2.6392E-01	7.1331E-03	
												U-nat [2.2162E-01 kg]	1.71150E+01	5.8220E+00	1.5735E-01	
												Subtotal		6.1519E+00	1.6627E-01	
												Total Source [2.8646E-01 kg]		6.1519E+00	1.6627E-01	
4228/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9230.6053	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [7.0783E-08 kg]	1.61525E-01	5.5001E-02	1.4865E-03	AU
		161.0000	10.1750	0.0300	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [5.4053E-02 kg]	6.46099E-01	2.1999E-01	5.9458E-03	
												U-nat [1.6269E-01 kg]	1.25519E+01	4.2739E+00	1.1551E-01	
												Subtotal		4.5489E+00	1.2294E-01	
												Total Source [2.1674E-01 kg]		4.5489E+00	1.2294E-01	
4232/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9933.6736	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [5.3228E-07 kg]	1.12837E+00	4.1359E-01	1.1178E-02	AU
		173.0000	10.9500	0.0300	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [4.0647E-01 kg]	4.51348E+00	1.6543E+00	4.4712E-02	
												U-nat [2.5415E-01 kg]	1.82152E+01	6.6767E+00	1.8045E-01	
												Subtotal		8.7446E+00	2.3634E-01	
												Total Source [6.6062E-01 kg]		8.7446E+00	2.3634E-01	
4233/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9416.5782	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [3.5624E-07 kg]	7.96809E-01	2.7680E-01	7.4810E-03	AU
		164.0000	10.3800	0.0300	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [2.7204E-01 kg]	3.18723E+00	1.1072E+00	2.9924E-02	
												U-nat [2.0254E-01 kg]	1.53169E+01	5.3210E+00	1.4381E-01	
												Subtotal		6.7050E+00	1.8122E-01	
												Total Source [4.7458E-01 kg]		6.7050E+00	1.8122E-01	
4235/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9861.0988	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [2.5522E-07 kg]	5.45035E-01	1.9831E-01	5.3597E-03	AU
		172.0000	10.8700	0.0300	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.9490E-01 kg]	2.18014E+00	7.9324E-01	2.1439E-02	
												U-nat [1.7929E-01 kg]	1.29446E+01	4.7097E+00	1.2729E-01	
												Subtotal		5.7013E+00	1.5409E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-465

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.7418E-01 kg]		5.7013E+00	1.5409E-01	
4240/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9298.6442	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [2.8867E-07 kg]	6.53901E-01	2.2430E-01	6.0621E-03	AU
		162.0000	10.2500	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [2.2044E-01 kg]	2.61560E+00	8.9718E-01	2.4248E-02	
												U-nat [2.2823E-01 kg]	1.74793E+01	5.9959E+00	1.6205E-01	
												Subtotal		7.1174E+00	1.9236E-01	
												Total Source [4.4867E-01 kg]		7.1174E+00	1.9236E-01	
Shipment Totals		43.0133	87094.2767									Source [3.7398E+00 kg]		6.1932E+01	1.6738E+00	
		1519.0000	96.0050													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-465
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-465
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.7444E+00	4.7145E-02
Th-232	6.9775E+00	1.8858E-01
U-nat	5.3208E+01	1.4381E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-465
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100024

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: [illegible]

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-465

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64972

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11/21/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3487E+00	1.9861E-01	NA	23720 LBS; 188 FT3	4215
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8700E+00	2.1270E-01	NA	22220 LBS; 176 FT3	4219
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7438E+00	2.0929E-01	NA	20490 LBS; 162 FT3	4224
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1519E+00	1.6627E-01	NA	20330 LBS; 161 FT3	4227
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5489E+00	1.2294E-01	NA	20350 LBS; 161 FT3	4228
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.7446E+00	2.3634E-01	NA	21900 LBS; 173 FT3	4232

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;URS27010-039: 120903 • 0669

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-465	LIRR	MWCX 100024

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Daniel B Strall

Shipment Date 11/6/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

Shipment Number- 0840-01-465,466,467,468, 084-04-001

Truck Number- 36, 38

Trailer Number- 225, 226

A qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the corresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☐~~ NA
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☐~~ NA
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-6-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100024

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4233	20760
	Liner	4235	21740
			Total:
			42500
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100024

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4232	21900
	Liner	4240	20500
			Total:
			42400
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100024

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4219	22220
	Liner	4227	20330
			Total:
			42550
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100024

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4215	23720
	Liner		0
			Total:
			23720
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100024

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4228	20350
	Liner	4224	20490
			Total:
			40840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/6/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4215		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4219		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4224		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4227		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4228		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4232		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4233		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4235		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4240		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209100	20760	21740	21900	20500	20350	20490	22220	20330	23720
	0840-01-465	Bag #	4233	4235	4232	4240	4228	4224	4219	4227	4215
	Storage Loc.										
100024	11/6/2003	209100	188340	166600	144700	124200	103850	83360	61140	40810	17090

Shipment Survey

Survey Number: GTEOSI 8770 Date: 10-27-03 Time: 1110

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4164 Storage Bin: 43 Gross Weight: 21850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	28	<MDA
2	0		25	
3	0		33	
4	0		25	
5	0		28	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage

Surveyor Name Surveyor Signature

Supervisor Approval

06593-S-14Y134164-04.0
Date: 10/27/03 Time:1134

10-27-03 11:10 Bag# 4164
21850 lb GR
102703 1110 4164 0021850

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8798 Date: 10-28-03 Time: 1133

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4195 Storage Bin: 50 Gross Weight: 22390 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	30	<MDA
2	~~0~~		29	
3	3		36	
4	2		33	
5	2		31	
6	~~0~~		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy — Debra R. LeRoy

Surveyor Name — Surveyor Signature

Supervisor Approval

06628-S-11Q214195-05.0
Date: 10/28/03 Time:1140

10-28-03 11:33 Bag# 4195
22390 lb GR
102803 1133 4195 0022390

Shipment Survey

Survey Number: GTEOSI 8803 Date: 10-28-03 Time: 1308

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4199 Storage Bin: 51 Gross Weight: 21550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	< MDA	29	< MDA
2	1		31	
3	1		23	
4	2		35	
5	2		27	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L. LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06640-S-110214199-00.5

Date: 10/28/03 Time:1330

10-28-03 13:08 Bag# 4199

21550 lb GR

102803 1308 4199 0021550

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8805 Date: 10-28-03 Time: 1333

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4201 Storage Bin: 52 Gross Weight: 23340 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	33	<MDA
2	0		21	
3	4		33	
4	0		30	
5	2		25	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06642-S-110214201-00.5
Date: 10/28/03 Time: 1340

10-28-03 13:33 Bag# 4201
23340 lb GR
102803 1333 4201 0023340

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8814 Date: 10-28-03 Time: 1510

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4205 Storage Bin: 54 Gross Weight: 22790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	29	<MDA
2	Ø		16	
3	Ø		28	
4	Ø		22	
5	Ø		29	
6	Ø		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

06650-S-110214205-10.0

Date: 10/28/03 Time:1454

10-28-03 15:10 Bag# 4205

22790 lb GR

102803 1510 4205 0022790

Shipment Survey

Survey Number: GTEOSI 8835 Date: 10-29-03 Time: 0838

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4229 Storage Bin: 59 Gross Weight: 20200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .05 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	28	<MDA
2	0		20	
3	0		25	
4	0		22	
5	1		27	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06673-S-11Q214229-14.0
Date: 10/29/03 Time:0927

10-29-03 8:38 Bag# 4229
20200 lb GR
102903 0838 4229 0020200

Shipment Survey

Survey Number: GTEOSI 8834 Date: 10-29-03 Time: 0827

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4230 Storage Bin: 59 Gross Weight: 19170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	22	<MDA
2	1		32	
3	0		23	
4	1		28	
5	1		29	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06672-S-11Q214230-14.0
Date: 10/29/03 Time:0836

10-29-03 8:27 Bag# 4230
19170 lb GR
102903 0827 4230 0019170

Shipment Survey

Survey Number: GTE05I 8836 Date: 10-29-03 Time: 0932

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4231 Storage Bin: 59 Gross Weight: 20900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	31	<MDA
2	~~0~~		25	
3	2		32	
4	~~0~~		22	
5	~~0~~		20	
6	~~0~~		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

06676-S-11P224231-10.0
Date: 10/29/03 Time:0942

10-29-03 9:32 Bag# 4231
20900 lb GR
102903 0932 4231 0020900

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8845 Date: 10-29-03 Time: 1034

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4239 Storage Bin: 61 Gross Weight: 22580 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	45	<MDA
2	0		31	
3	0		29	
4	2		26	
5	0		22	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

06685-S-11P224239-10.0
Date: 10/29/03 Time:1114

10-29-03 10:34 Bag# 4239
22580 lb GR
102903 1034 4239 0022580

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-466
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-7109

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER – Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-466

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0793E+00	1.1025E-01	NA	21850 LBS; 173 FT3	4164
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1389E+01	3.0781E-01	NA	22390 LBS; 177 FT3	4195
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.6343E+00	1.7931E-01	NA	21550 LBS; 170 FT3	4199
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9600E+00	2.1514E-01	NA	23340 LBS; 185 FT3	4201
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2842E+00	2.5092E-01	NA	22790 LBS; 180 FT3	4205
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8349E+00	1.8473E-01	NA	20200 LBS; 160 FT3	4229

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-466

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1173E+01	3.0197E-01	NA	19170 LBS; 152 FT3	4230
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0269E+00	1.8991E-01	NA	20900 LBS; 165 FT3	4231
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.2684E+00	1.9644E-01	NA	22580 LBS; 179 FT3	4239

FORM 540A (04-03)

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.6363 / ft3 1541.0000	kg 88019.6051 / ton 97.0250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.1650E+01	NP	NP	NP	NP	(kg)	5.3023E+00
mCi	1.9365E+00	NP	NP	NP	NP	(tons)	5.8448E-03

2. MANIFEST NUMBER 0840-01-466

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-466

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4164/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9910.9939	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [6.7343E-08 kg]	1.43085E-01	5.2325E-02	1.4142E-03	AU
		173.0000	10.9250	0.0100	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [5.1425E-02 kg]	5.72340E-01	2.0930E-01	5.6568E-03	
												U-nat [1.4532E-01 kg]	1.04395E+01	3.8177E+00	1.0318E-01	
												Subtotal		4.0793E+00	1.1025E-01	
												Total Source [1.9675E-01 kg]		4.0793E+00	1.1025E-01	
4195/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10155.9338	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [1.0900E-06 kg]	2.25993E+00	8.4693E-01	2.2890E-02	AU
		177.0000	11.1950	0.0300	<2.2000E+02	<2.2000E+03		177.0000				Th-232 [8.3237E-01 kg]	9.03972E+00	3.3878E+00	9.1561E-02	
												U-nat [2.7234E-01 kg]	1.90900E+01	7.1543E+00	1.9336E-01	
												Subtotal		1.1389E+01	3.0781E-01	
												Total Source [1.1047E+00 kg]		1.1389E+01	3.0781E-01	
4199/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9774.9162	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [7.5434E-07 kg]	1.62518E+00	5.8612E-01	1.5841E-02	AU
		170.0000	10.7750	0.0300	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [5.7604E-01 kg]	6.50071E+00	2.3445E+00	6.3365E-02	
												U-nat [1.4099E-01 kg]	1.02697E+01	3.7037E+00	1.0010E-01	
												Subtotal		6.6343E+00	1.7931E-01	
												Total Source [7.1703E-01 kg]		6.6343E+00	1.7931E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-466

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4201/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2386	10586.8466	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2386	100	OXIDES/NONE	0.00	Th-230 [3.4416E-07 kg]	6.84397E-01	2.6741E-01	7.2273E-03	AU
												Th-232 [2.6281E-01 kg]	2.73759E+00	1.0696E+00	2.8909E-02	
												U-nat [2.5212E-01 kg]	1.69508E+01	6.6230E+00	1.7900E-01	
		185.0000	11.6700	0.0300	<2.2000E+02	<2.2000E+03		185.0000				Subtotal		7.9600E+00	2.1514E-01	
												Total Source [5.1493E-01 kg]		7.9600E+00	2.1514E-01	
4205/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10337.3708	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [4.5737E-07 kg]	9.31560E-01	3.5537E-01	9.6047E-03	AU
												Th-232 [3.4926E-01 kg]	3.72624E+00	1.4215E+00	3.8419E-02	
												U-nat [2.8577E-01 kg]	1.96792E+01	7.5073E+00	2.0290E-01	
		180.0000	11.3950	0.0400	<2.2000E+02	<2.2000E+03		180.0000				Subtotal		9.2842E+00	2.5092E-01	
												Total Source [6.3504E-01 kg]		9.2842E+00	2.5092E-01	
4229/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9162.5665	0.0005	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [5.9416E-07 kg]	1.36596E+00	4.6165E-01	1.2477E-02	AU
												Th-232 [4.5372E-01 kg]	5.46383E+00	1.8466E+00	4.9909E-02	
												U-nat [1.7230E-01 kg]	1.33926E+01	4.5266E+00	1.2234E-01	
		160.0000	10.1000	0.0500	<2.2000E+02	<2.2000E+03		160.0000				Subtotal		6.8349E+00	1.8473E-01	
												Total Source [6.2602E-01 kg]		6.8349E+00	1.8473E-01	
4230/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8695.3663	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [2.6460E-07 kg]	6.41135E-01	2.0559E-01	5.5566E-03	AU
												Th-232 [2.0206E-01 kg]	2.56454E+00	8.2240E-01	2.2227E-02	
												U-nat [3.8618E-01 kg]	3.16366E+01	1.0145E+01	2.7419E-01	
		152.0000	9.5850	0.0400	<2.2000E+02	<2.2000E+03		152.0000				Subtotal		1.1173E+01	3.0197E-01	
												Total Source [5.8824E-01 kg]		1.1173E+01	3.0197E-01	
4231/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9480.0812	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [3.4061E-07 kg]	7.56738E-01	2.6466E-01	7.1529E-03	AU
												Th-232 [2.6011E-01 kg]	3.02695E+00	1.0586E+00	2.8612E-02	
												U-nat [2.1712E-01 kg]	1.63086E+01	5.7036E+00	1.5415E-01	
		165.0000	10.4500	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Subtotal		7.0269E+00	1.8991E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-466

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [4.7722E-01 kg]		7.0269E+00	1.8991E-01	
4239/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10242.1164	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [2.6909E-07 kg]	5.53191E-01	2.0908E-01	5.6509E-03	AU
		179.0000	11.2900	0.0200	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [2.0549E-01 kg]	2.21277E+00	8.3631E-01	2.2603E-02	
												U-nat [2.3689E-01 kg]	1.64648E+01	6.2230E+00	1.6819E-01	
												Subtotal		7.2684E+00	1.9644E-01	
												Total Source [4.4237E-01 kg]		7.2684E+00	1.9644E-01	
Shipment Totals		43.6363	88346.1917									Source [5.3023E+00 kg]		7.1650E+01	1.9365E+00	
		1541.0000	97.3850													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-466
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-466
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	3.2492E+00	8.7815E-02
Th-232	1.2997E+01	3.5126E-01
U-nat	5.5404E+01	1.4974E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-466
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-7109

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE:

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-466

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
C64970

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt:
DATE: 11/21/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0793E+00	1.1025E-01	NA	21850 LBS; 173 FT3	4164
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1389E+01	3.0781E-01	NA	22390 LBS; 177 FT3	4195
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.6343E+00	1.7931E-01	NA	21550 LBS; 170 FT3	4199
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9600E+00	2.1514E-01	NA	23340 LBS; 185 FT3	4201
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2842E+00	2.5092E-01	NA	22790 LBS; 180 FT3	4205
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8349E+00	1.8473E-01	NA	20200 LBS; 160 FT3	4229

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-466	LIRR	MRMX 7109

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Mark B Stout

Shipment Date 11/6/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 0840-01-465,466,467,468, 084-04-001

ruck Number- 36, 38

railer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~ NA
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~ NA
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-6-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 7109
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4164	21850
	Liner		0
			Total:
			21850
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 7109
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4231	20900
	Liner	4230	19170
			Total:
			40070
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	7109

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4229	20200
	Liner	4205	22790
			Total:
			42990
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	7109

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4201	23340
	Liner	4199	21550
			Total:
			44890
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 7109
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4195	22390
	Liner	4239	22580
			Total:
			44970
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MRMX	Shipment #	204400	21850	20900	19170	20200	22790	23340	21550	22390	22580
	0840-01-466	Bag #	4164	4231	4230	4229	4205	4201	4199	4195	4239
	Storage Loc.										
7109	11/6/2003	204400	182550	161650	142480	122280	99490	76150	54600	32210	9630

Daily Shipping checklist for Trucks and Packages

Date: 11/6/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		MS	
2		MS	

Gondola has been inspected for proper marking and labeling. Int. MS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4164		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4195		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4199		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4201		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4205		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4229		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4230		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4231		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4239		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8700 Date: 10-23-03 Time: 0959

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4092 Storage Bin: 100 AISLE Gross Weight: 20460 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	31	<MDA
2	0		28	
3	1		29	
4	0		27	
5	0		28	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06491-S-14X154092-06.0

Date: 10/23/03 Time:1112

10-23-03 9:59 Bag# 4092

20460 lb GR

102303 0959 4092 0020460

Shipment Survey

Survey Number: GTE05I 8787 Date: 10-28-03 Time: 1030

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4188 Storage Bin: 47 Gross Weight: 22910 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	LMDA	24	LMDA
2	Ø		25	
3	1		29	
4	Ø		24	
5	1		35	
6	3		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBoeuf — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06615-S-11Q214188-00.5
Date: 10/28/03 Time:1029

10-28-03 10:30 Bag# 4188
22910 lb GR
102803 1030 4188 0022910

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8819 Date: 10-28-03 Time: 1543

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4216 Storage Bin: 55 Gross Weight: 22610 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		25	
3	2		36	
4	2		37	
5	0		25	
6	1		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06656-S-14Y124216-04.0
Date: 10/28/03 Time:1537

10-28-03 15:43 Bag# 4216
22610 lb GR
102803 1543 4216 0022610

Shipment Survey

Survey Number: GTEOSI 8833 Date: 10-29-03 Time: 0818

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4225 Storage Bin: 59 Gross Weight: 20140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	25	<MDA
2	1		20	
3	~~0~~		28	
4	~~0~~		40	
5	~~0~~		27	
6	~~0~~		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoyed — Surveyor Name

Surveyor Signature

Supervisor Approval

06670-S-11Q214225-14.0

Date: 10/29/03 Time:0831

10-29-03 8:18 Bag# 4225

20140 lb GR

102903 0818 4225 0020140

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8842 Date: 10-29-03 Time: 1019

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4237 Storage Bin: 61 Gross Weight: 22110 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	24	<MDA
2	1		29	
3	3		31	
4	2		27	
5	~~0~~		22	
6	~~0~~		14	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06584-S-11P224237-10.0
Date: 10/29/03 Time:1112

10-29-03 10:19 Bag# 4237
22110 lb GR
102903 1019 4237 0022110

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8848 Date: 10-30-03 Time: 0806

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4242 Storage Bin: 62 Gross Weight: 22560 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	27	<MDA
2	~~0~~		27	
3	2		35	
4	3		37	
5	~~0~~		27	
6	~~0~~		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06692-S-110224242-16.0

Date: 10/30/03 Time:0809

10-30-03 8:06 Bag# 4242

22560 lb GR

103003 0806 4242 0022560

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8852 Date: 10-30-03 Time: 0830

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4245 Storage Bin: 63 Gross Weight: 22760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	24	<MDA
2	0		27	
3	1		26	
4	0		20	
5	0		32	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06699-S-110224245-16.0
Date: 10/30/03 Time:0835

10-30-03 8:30 Bag# 4245
22760 lb GR
103003 0830 4245 0022760

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8847 Date: 10-30-03 Time: 0759

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4247 Storage Bin: 62 Gross Weight: 20260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	26	<MDA
2	0		31	
3	1		29	
4	0		23	
5	1		22	
6	2		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06694-S-14X124247-06.0
Date: 10/30/03 Time:0823

10-30-03 7:59 Bag# 4247
20260 lb GR
103003 0759 4247 0020260

Shipment Survey

Survey Number: GTEOSI 8850 Date: 10-30-03 Time: 0814

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4249 Storage Bin: 63 Gross Weight: 20160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	21	<MDA
2	0		27	
3	1		25	
4	0		22	
5	1		22	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06695-S-14X124249-06.0
Date: 10/30/03 Time:0825

10-30-03 8:14 Bag# 4249
20160 lb GR
103003 0814 4249 0020160

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-467
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-3032
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-467

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Agent GTEOSI DATE: 11/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0587E+00	1.0970E-01	NA	20460 LBS; 162 FT3	4092
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9425E+00	2.1466E-01	NA	22910 LBS; 181 FT3	4188
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4328E+00	1.1980E-01	NA	22610 LBS; 179 FT3	4216
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0008E+00	1.8921E-01	NA	20140 LBS; 159 FT3	4225
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.4490E+00	2.2835E-01	NA	22110 LBS; 175 FT3	4237
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7175E+00	2.0858E-01	NA	22560 LBS; 178 FT3	4242

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-467

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9571E+01	5.2896E-01	NA	22760 LBS; 180 FT3	4245
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.8647E+00	1.3148E-01	NA	20260 LBS; 160 FT3	4247
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6848E+00	1.5364E-01	NA	20160 LBS; 159 FT3	4249

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.4096 / ft3 1533.0000	kg 87656.7313 / ton 96.6250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.9722E+01	NP	NP	NP	NP	(kg)	4.0772E+00
mCi	1.8844E+00	NP	NP	NP	NP	(tons)	4.4944E-03

2. MANIFEST NUMBER 0840-01-467

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-467

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4092/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.5873	9280.5005	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [7.9385E-08 kg]	1.80177E-01	6.1683E-02	1.6671E-03	AU
		162.0000	10.2300	0.0100	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [6.0622E-02 kg]	7.20709E-01	2.4673E-01	6.6684E-03	
												U-nat [1.4275E-01 kg]	1.09543E+01	3.7503E+00	1.0136E-01	
												Subtotal		4.0587E+00	1.0970E-01	
												Total Source [2.0338E-01 kg]		4.0587E+00	1.0970E-01	
4188/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.1253	10391.8019	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [2.4153E-07 kg]	4.89362E-01	1.8767E-01	5.0722E-03	AU
		181.0000	11.4550	0.0100	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [1.8444E-01 kg]	1.95745E+00	7.5069E-01	2.0289E-02	
												U-nat [2.6662E-01 kg]	1.82636E+01	7.0041E+00	1.8930E-01	
												Subtotal		7.9425E+00	2.1466E-01	
												Total Source [4.5106E-01 kg]		7.9425E+00	2.1466E-01	
4216/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.0687	10255.7242	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [5.8985E-08 kg]	1.21099E-01	4.5832E-02	1.2387E-03	AU
		179.0000	11.3050	0.0300	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [4.5043E-02 kg]	4.84397E-01	1.8332E-01	4.9547E-03	
												U-nat [1.6002E-01 kg]	1.11074E+01	4.2036E+00	1.1361E-01	
												Subtotal		4.4328E+00	1.1980E-01	
												Total Source [2.0506E-01 kg]		4.4328E+00	1.1980E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-467

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4225/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9135.3509	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [3.9046E-07 kg]	9.00355E-01	3.0339E-01	8.1998E-03	AU
		159.0000	10.0700	0.0300	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [2.9817E-01 kg]	3.60142E+00	1.2136E+00	3.2799E-02	
												U-nat [2.0875E-01 kg]	1.62738E+01	5.4838E+00	1.4821E-01	
												Subtotal		7.0008E+00	1.8921E-01	
												Total Source [5.0692E-01 kg]		7.0008E+00	1.8921E-01	
4237/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10028.9280	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [7.4666E-07 kg]	1.56773E+00	5.8016E-01	1.5680E-02	AU
		175.0000	11.0550	0.0300	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [5.7018E-01 kg]	6.27092E+00	2.3206E+00	6.2719E-02	
												U-nat [2.1119E-01 kg]	1.49921E+01	5.5482E+00	1.4995E-01	
												Subtotal		8.4490E+00	2.2835E-01	
												Total Source [7.8137E-01 kg]		8.4490E+00	2.2835E-01	
4242/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10233.0445	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [2.5265E-07 kg]	5.19858E-01	1.9631E-01	5.3056E-03	AU
		178.0000	11.2800	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [1.9293E-01 kg]	2.07943E+00	7.8525E-01	2.1223E-02	
												U-nat [2.5641E-01 kg]	1.78380E+01	6.7359E+00	1.8205E-01	
												Subtotal		7.7175E+00	2.0858E-01	
												Total Source [4.4935E-01 kg]		7.7175E+00	2.0858E-01	
4245/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10323.7630	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [2.8341E-07 kg]	5.78014E-01	2.2021E-01	5.9517E-03	AU
		180.0000	11.3800	0.0300	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [2.1642E-01 kg]	2.31206E+00	8.8086E-01	2.3807E-02	
												U-nat [7.0310E-01 kg]	4.84814E+01	1.8470E+01	4.9920E-01	
												Subtotal		1.9571E+01	5.2896E-01	
												Total Source [9.1952E-01 kg]		1.9571E+01	5.2896E-01	
4247/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9189.7820	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.4999E-07 kg]	3.43794E-01	1.1654E-01	3.1498E-03	AU
		160.0000	10.1300	0.0100	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [1.1454E-01 kg]	1.37518E+00	4.6616E-01	1.2599E-02	
												U-nat [1.6299E-01 kg]	1.26313E+01	4.2820E+00	1.1573E-01	
												Subtotal		4.8647E+00	1.3148E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-467

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.7753E-01 kg]		4.8647E+00	1.3148E-01	
4249/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9144.4228	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [1.0822E-07 kg]	2.49291E-01	8.4086E-02	2.2726E-03	AU
		159.0000	10.0800	0.0200	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [8.2641E-02 kg]	9.97163E-01	3.3635E-01	9.0905E-03	
												U-nat [2.0039E-01 kg]	1.56070E+01	5.2644E+00	1.4228E-01	
												Subtotal		5.6848E+00	1.5364E-01	
												Total Source [2.8303E-01 kg]		5.6848E+00	1.5364E-01	
Shipment Totals		43.4096	87983.3178									Source [4.0772E+00 kg]		6.9722E+01	1.8844E+00	
		1533.0000	96.9850													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-467
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-467
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.7959E+00	4.8537E-02
Th-232	7.1835E+00	1.9415E-01
U-nat	6.0742E+01	1.6417E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-467
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-3032

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Cumato
DATE: 11/6

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-467

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64968

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11/21/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE 11/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0587E+00	1.0970E-01	NA	20460 LBS; 162 FT3	4092
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9425E+00	2.1466E-01	NA	22910 LBS; 181 FT3	4188
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4328E+00	1.1980E-01	NA	22610 LBS; 179 FT3	4216
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0008E+00	1.8921E-01	NA	20140 LBS; 159 FT3	4225
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.4490E+00	2.2835E-01	NA	22110 LBS; 175 FT3	4237
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7175E+00	2.0858E-01	NA	22560 LBS; 178 FT3	4242

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-467	LIRR	MRMX 3032

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kink's or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [signature]

Shipment Date 11/6/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

:hipment Number- 0840-01-465,466,467,468, 084-04-001

'ruck Number- 36, 38

'railer Number- 225, 226

\ qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the 'orresponding box

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~ N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~ N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-6-03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/6/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MRMX 3032

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Wage Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4242	22560
	Liner	4249	20160
			Total:
			42720
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/6/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MRMX 3032

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4188	22910
	Liner	4225	20140
			Total:
			43050
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 3032
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4247	20260
	Liner	4245	22760
			Total:
			43020
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	3032

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4237	22110
	Liner	4216	22610
			Total:
			44720
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	3032

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4092	20460
	Liner		0
			Total:
			20460
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MRMX	Shipment #	203500	22560	20160	22910	20140	20260	22760	22110	22610	20460
	0840-01-467	Bag #	4242	4249	4188	4225	4247	4245	4237	4216	4092
	Storage Loc.										
3032	11/6/2003	203500	180940	160780	137870	117730	97470	74710	52600	29990	9530

Daily Shipping checklist for Trucks and Packages

Date: 11/6/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4092		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4188		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4216		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4225		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4237		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4242		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4245		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4247		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4249		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8130 Date: 10-16-03 Time: 0814

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3825 Storage Bin: 39 Gross Weight: 21310 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	~~180~~ 130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

DL 10-20-03

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	30	<MDA
2	1		26	
3	~~0~~		28	
4	~~0~~		25	
5	~~0~~		18	
6	1		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePAGE
Surveyor Name

Surveyor Signature

Supervisor Approval

06059-S-14X113825-05.0
Date: 10/16/03 Time:0833

10-16-03 8:14 Bag# 3825
21310 lb GR
101603 0814 3825 0021310

Shipment Survey

Survey Number: GTEOSI 8225 Date: 10-17-03 Time: 1339

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3920 Storage Bin: 100 AISLE Gross Weight: 14220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	~~180~~ 130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

DL 10-20-03

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	18	LMDA
2	2		26	
3	1		28	
4	~~0~~		28	
5	1		33	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06188-S-14Y183920-01.0
Date: 10/17/03 Time:1329

10-17-03 13:39 Bag# 3920
14220 lb GR
101703 1339 3920 0014220

Shipment Survey

Survey Number: GTEDSI 8234 Date: 10-17-03 Time: 1505

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3921 Storage Bin: 100 AISLE Gross Weight: 19490 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	~~180~~ 130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

DH 10-20-03

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	32	LMDA
2	1		23	
3	0		35	
4	1		26	
5	3		39	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06201-S-14Y183921-01.0

Date: 10/17/03 Time:1402

10-17-03 15:05 Bag# 3921

19490 lb GR

101703 1505 3921 0019490

Shipment Survey

Survey Number: GTEOSI 8233 Date: 10-17-03 Time: 1500

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3926 Storage Bin: 100 AISLE Gross Weight: 18220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	~~180~~ 130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

DL 10-20-03

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	19	<MDA
2	0		23	
3	1		42	
4	2		36	
5	5		32	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LPage

Surveyor Name — Surveyor Signature

Robert Hoffman

Supervisor Approval

06217-S-14X183926-05.0

Date: 10/17/03 Time:1439

10-17-03 15:00 Bag# 3926

18220 lb GR

101703 1500 3926 0018220

Shipment Survey

Survey Number: GTEOSI 8731 Date: 10-23-03 Time: 1624

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4126 Storage Bin: 32 Gross Weight: 20140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	38	<MDA
2	0		32	
3	1		37	
4	1		30	
5	1		27	
6	1		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06526-S-14X144126-04.0
Date: 10/23/03 Time:1634

10-23-03 16:24 Bag# 4126
20140 lb GR
102303 1624 4126 0020140

Shipment Survey

Survey Number: GTEOSI 8732 Date: 10-23-03 Time: 1631

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4127 Storage Bin: 33 Gross Weight: 22100 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	35	LMDA
2	0		16	
3	2		25	
4	0		21	
5	1		27	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

Robert Hoff
Supervisor Approval

06527-S-14X144127-04.0
Date: 10/23/03 Time: 1637

10-23-03 16:31 Bag# 4127
22100 lb GR
102303 1631 4127 0022100

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8735 Date: 10-24-03 Time: 0830

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4130 Storage Bin: 34 Gross Weight: 18440 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	< MDA	38	< MDA
2	1		26	
3	1		26	
4	1		32	
5	0		32	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06541-S-14X144130-04.0
Date: 10/24/03 Time:0911

10-24-03 8:31 Bag# 4130
18440 lb GR
102403 0831 4130 0018440

Shipment Survey

Survey Number: GTE05I 8760 Date: 10-27-03 Time: 0942

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4155 Storage Bin: 40 Gross Weight: 21640 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

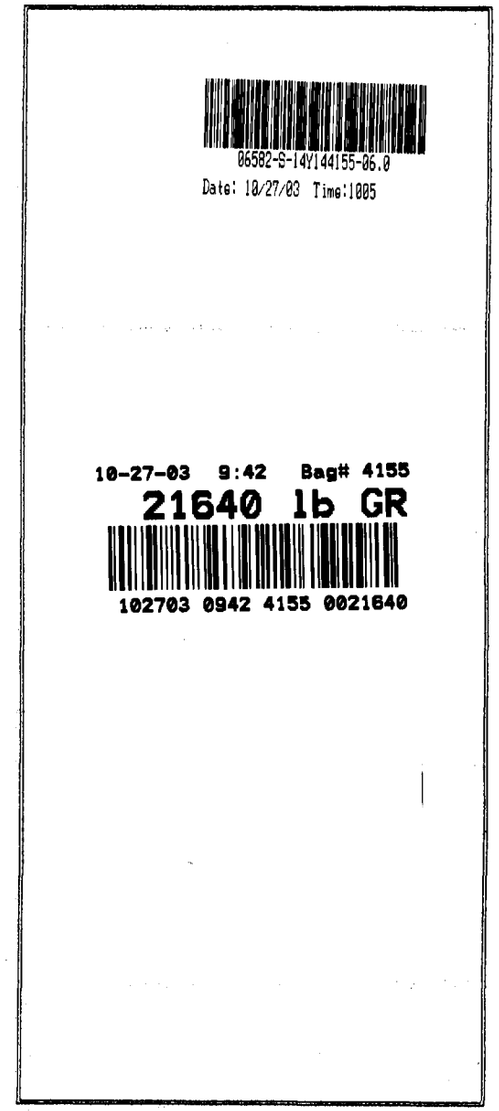
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	30	<MDA
2	Ø		27	
3	Ø		22	
4	Ø		34	
5	1		28	
6	Ø		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L. LePage

Surveyor Name Surveyor Signature

Supervisor Approval



FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 8

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-468

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MRMX-1032

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/06/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato

DATE: 11/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-468

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1229E+00	1.3846E-01	NA	21310 LBS; 168 FT3	3825
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0647E+00	5.5802E-02	NA	14220 LBS; 112 FT3	3920
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9654E+00	1.0717E-01	NA	19490 LBS; 154 FT3	3921
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1452E+00	1.6609E-01	NA	18220 LBS; 144 FT3	3926
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4493E+00	9.3224E-02	NA	20140 LBS; 159 FT3	4126
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4916E+00	1.2139E-01	NA	22100 LBS; 175 FT3	4127

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-468

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9557E+00	7.9885E-02	NA	18440 LBS; 146 FT3	4130
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4991E+00	2.0268E-01	NA	21640 LBS; 171 FT3	4155

FORM 540A (04-03)

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
8	m3 34.8014 / ft3 1229.0000	kg 70270.5345 / ton 77.4600	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	3.1466E+01	NP	NP	NP	NP	(kg)	1.6628E+00
mCi	8.5043E-01	NP	NP	NP	NP	(tons)	1.8330E-03

2. MANIFEST NUMBER 0840-01-468

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-468

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3825/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9666.0540	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [8.2631E-08 kg]	1.80035E-01	6.4206E-02	1.7353E-03	AU
		168.0000	10.6550	0.0100	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [6.3100E-02 kg]	7.20142E-01	2.5682E-01	6.9410E-03	
												U-nat [1.8279E-01 kg]	1.34647E+01	4.8019E+00	1.2978E-01	
												Subtotal		5.1229E+00	1.3846E-01	
												Total Source [2.4589E-01 kg]		5.1229E+00	1.3846E-01	
3920/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.1715	6450.0839	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.1715	100	OXIDES/NONE	0.00	Th-230 [9.4364E-09 kg]	3.08688E-02	(7.3319E-03)	(1.9816E-04)	AU
		112.0000	7.1100	0.0100	<2.2000E+02	<2.2000E+03		112.0000				Th-232 [7.2060E-03 kg]	1.23475E-01	(2.9328E-02)	(7.9266E-04)	
												U-nat [7.7198E-02 kg]	8.53806E+00	2.0280E+00	5.4811E-02	
												Subtotal		2.0280E+00	5.4811E-02	
												Total Source [8.4404E-02 kg]		2.0280E+00	5.4811E-02	
3921/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8840.5159	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [8.0354E-08 kg]	1.91489E-01	6.2434E-02	1.6874E-03	AU
		154.0000	9.7450	0.0100	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [6.1361E-02 kg]	7.65957E-01	2.4974E-01	6.7497E-03	
												U-nat [1.3907E-01 kg]	1.12045E+01	3.6532E+00	9.8736E-02	
												Subtotal		3.9654E+00	1.0717E-01	
												Total Source [2.0043E-01 kg]		3.9654E+00	1.0717E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-468

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3926/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0776	8264.4535	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0776	100	OXIDES/NONE	0.00	Th-230 [6.7197E-08 kg]	1.71348E-01	5.2211E-02	1.4111E-03	AU
		144.0000	9.1100	0.0100	<2.2000E+02	<2.2000E+03		144.0000				Th-232 [5.1314E-02 kg]	6.85390E-01	2.0885E-01	5.6446E-03	
												U-nat [2.2399E-01 kg]	1.93105E+01	5.8841E+00	1.5903E-01	
												Subtotal		6.1452E+00	1.6609E-01	
												Total Source [2.7530E-01 kg]		6.1452E+00	1.6609E-01	
4126/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9135.3509	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [4.2307E-08 kg]	9.75532E-02	3.2872E-02	8.8844E-04	AU
		159.0000	10.0700	0.0100	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [3.2307E-02 kg]	3.90213E-01	1.3149E-01	3.5538E-03	
												U-nat [1.2505E-01 kg]	9.74849E+00	3.2849E+00	8.8782E-02	
												Subtotal		3.4493E+00	9.3224E-02	
												Total Source [1.5735E-01 kg]		3.4493E+00	9.3224E-02	
4127/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10024.3920	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [7.7282E-08 kg]	1.62340E-01	6.0047E-02	1.6229E-03	AU
		175.0000	11.0500	0.0100	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [5.9016E-02 kg]	6.49362E-01	2.4019E-01	6.4917E-03	
												U-nat [1.5955E-01 kg]	1.13316E+01	(4.1914E+00)	(1.1328E-01)	
												Subtotal		3.0024E-01	8.1146E-03	
												Total Source [2.1857E-01 kg]		3.0024E-01	8.1146E-03	
4130/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1343	8364.2439	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1343	100	OXIDES/NONE	0.00	Th-230 [5.5161E-08 kg]	1.38972E-01	4.2861E-02	1.1584E-03	AU
		146.0000	9.2200	0.0100	<2.2000E+02	<2.2000E+03		146.0000				Th-232 [4.2123E-02 kg]	5.55887E-01	1.7144E-01	4.6336E-03	
												U-nat [1.0436E-01 kg]	8.88891E+00	2.7414E+00	7.4093E-02	
												Subtotal		2.9557E+00	7.9885E-02	
												Total Source [1.4648E-01 kg]		2.9557E+00	7.9885E-02	
4155/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9815.7395	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [7.9503E-08 kg]	1.70567E-01	6.1775E-02	1.6696E-03	AU
		171.0000	10.8200	0.0100	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [6.0711E-02 kg]	6.82270E-01	2.4709E-01	6.6782E-03	
												U-nat [2.7370E-01 kg]	1.98534E+01	7.1902E+00	1.9433E-01	
												Subtotal		7.4991E+00	2.0268E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-468

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.3441E-01 kg]		7.4991E+00	2.0268E-01	
Shipment Totals		34.8014	70560.8336									Source [1.6628E+00 kg]		3.1466E+01	8.5043E-01	
		1229.0000	77.7800													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-468
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-468
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	3.8374E-01	1.0371E-02
Th-232	1.5350E+00	4.1485E-02
U-nat	3.3775E+01	9.1284E-01

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 8

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-468
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-1032

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE:

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-468

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64967

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt:
DATE: 11/21/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1229E+00	1.3846E-01	NA	21310 LBS; 168 FT3	3825
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0647E+00	5.5802E-02	NA	14220 LBS; 112 FT3	3920
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9654E+00	1.0717E-01	NA	19490 LBS; 154 FT3	3921
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1452E+00	1.6609E-01	NA	18220 LBS; 144 FT3	3926
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4493E+00	9.3224E-02	NA	20140 LBS; 159 FT3	4126
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4916E+00	1.2139E-01	NA	22100 LBS; 175 FT3	4127

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-468	LIRR	MRMX 1032

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [signature]

Shipment Date 11/6/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 0840-01-465,466,467,468, 084-04-001

ruck Number- 36, 38

railer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~ NA
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~ NA
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-6-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 1032
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3920	14220
	Liner	3825	21310
			Total:
			35530
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 1032
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4126	20140
	Liner	4130	18440
			Total:
			38580
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport	G. Amato		11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	1032

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3921	19490
	Liner	3926	18220
			Total:
			37710
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	1032

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4127	22100
	Liner	4155	21640
			Total:
			43740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/6/2003
Transporter	Signature		Date
Priority Transport			11/6/2003

Gondolas										
survey#			weight							
id #		Capacity	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MRMX	Shipment #	203500	14220	21310	19490	18220	20140	**18440**	**22100**	21640
odebris	0840-01-468	Bag #	3920	3825	3921	3926	4126	**4130**	**4127**	4155
	Storage Loc.		odebris	odebris	odebris	odebris	odebris	**odebris**	**odebris**	**odebris**
1032	11/6/2003	203500	189280	167970	148480	130260	110120	91680	69580	47940

Daily Shipping checklist for Trucks and Packages

Date: 11/6/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3825		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	3920		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	3921		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	3926		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4126		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4127		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4130		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4155		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8699 Date: 10-23-03 Time: 0949

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4094 Storage Bin: 100 AISLE Gross Weight: 18880 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

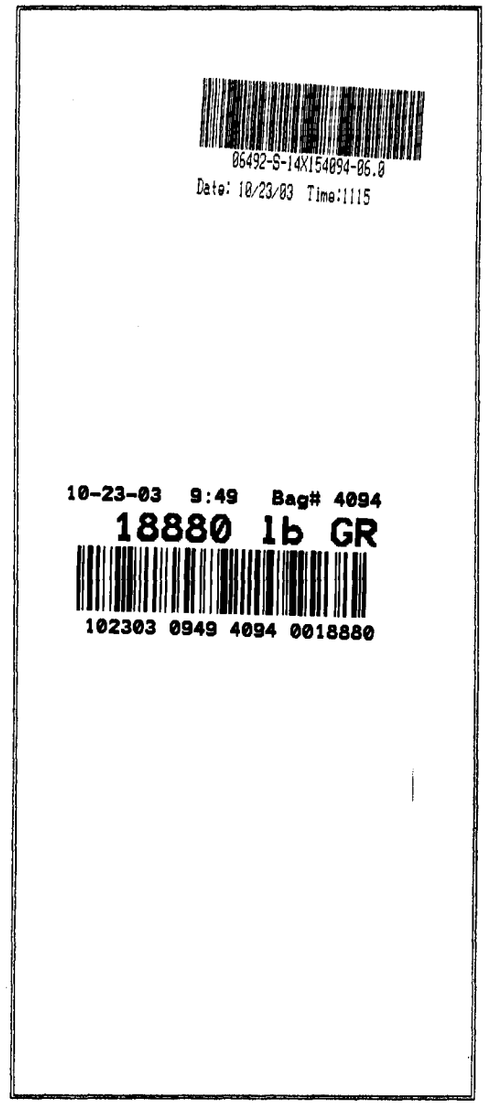
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	36	<MDA
2	Ø		23	
3	1		34	
4	Ø		23	
5	Ø		25	
6	Ø		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8702 Date: 10-23-03 Time: 1018

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4097 Storage Bin: 100 AISLE Gross Weight: 18830 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	31	<MDA
2	1		34	
3	0		28	
4	2		28	
5	0		24	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage

Surveyor Name Surveyor Signature

Supervisor Approval

06495-S-14X144097-06.0
Date: 10/23/03 Time:1126

10-23-03 10:18 Bag# 4097
18830 lb GR
102303 1018 4097 0018830

Shipment Survey

Survey Number: GTEOSI 8704 Date: 10-23-03 Time: 1037

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4098 Storage Bin: 100 AISLE Gross Weight: 19770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	< MDA	25	< MDA
2	0		32	
3	0		22	
4	0		34	
5	4		26	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06496-S-14X144098-06.0
Date: 10/23/03 Time:1136

10-23-03 10:37 Bag# 4098
19770 lb GR
102303 1037 4098 0019770

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8815 Date: 10-28-03 Time: 1517

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4213 Storage Bin: 54 Gross Weight: 20680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		20	
3	2		29	
4	2		22	
5	0		35	
6			28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06654-S-14Y124213-04.0
Date: 10/28/03 Time:1524

10-28-03 15:17 Bag# 4213
20680 lb GR
102803 1517 4213 0020680

Shipment Survey

Survey Number: GTEOSI 8843 Date: 10-29-03 Time: 1026

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4234 Storage Bin: 61 Gross Weight: 19400 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

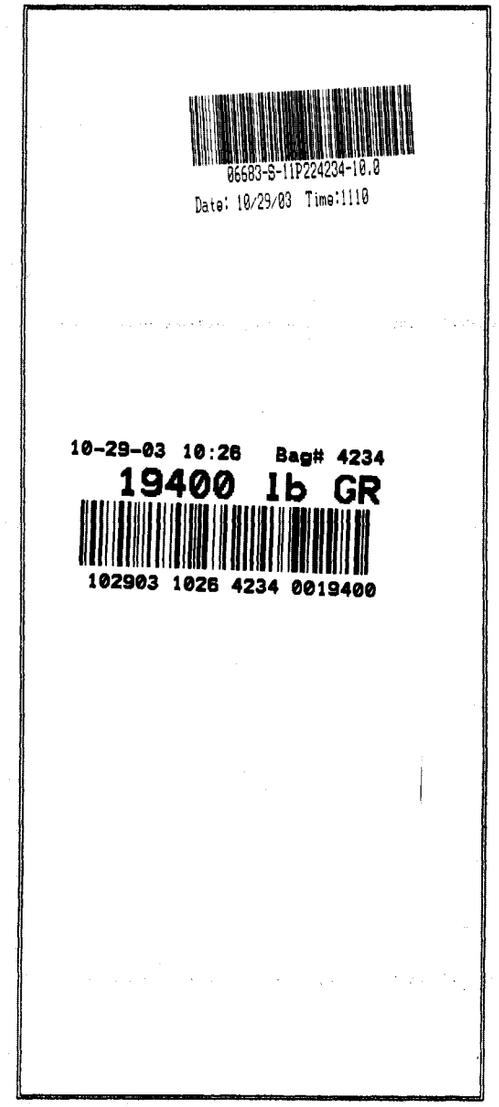
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	80	N/A	500
Smear #				
1	0	<MDA	36	<MDA
2	1		22	
3	4		32	
4	0		28	
5	0		23	
6	0		15	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval



NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8846 Date: 10-29-03 Time: 1058

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4238 Storage Bin: 62 Gross Weight: 20510 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	25	LMDA
2	0		21	
3	1		24	
4	0		29	
5	0		27	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06674-S-11Q214238-14.0
Date: 10/29/03 Time:0930

10-29-03 10:55 Bag# 4238
20510 lb GR
102903 1055 4238 0020510

Shipment Survey

Survey Number: GTEOSI 8851 Date: 10-30-03 Time: 0823

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4248 Storage Bin: 63 Gross Weight: 21740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

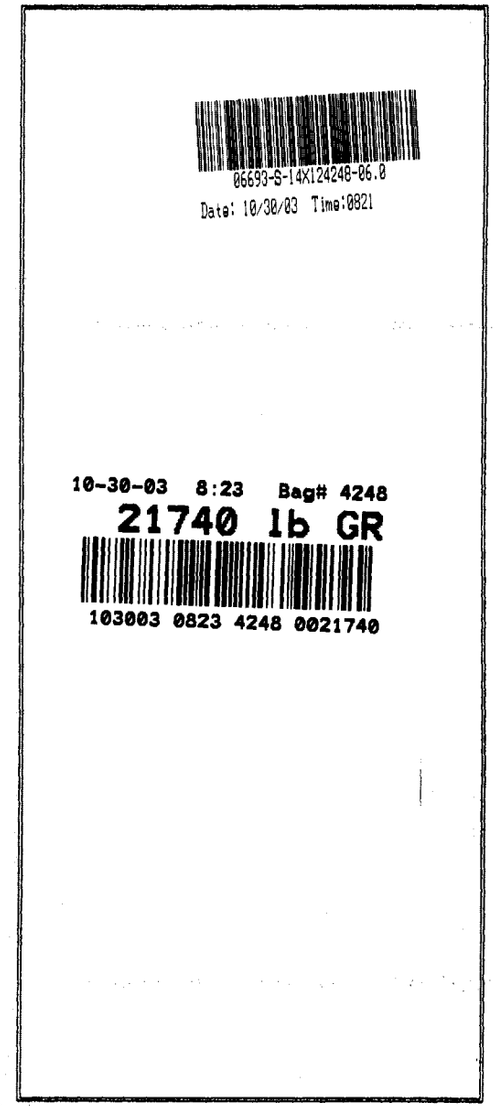
Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	28	<MDA
2	1		26	
3	4		28	
4	1		19	
5	0		41	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage — Debra LeSage
Surveyor Name — Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8911 Date: 10-31-03 Time: 1343

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4308 Storage Bin: 46 Gross Weight: 21430 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	23	LMDA
2	~~0~~		34	
3	~~0~~		25	
4	~~0~~		27	
5	~~0~~		36	
6	~~0~~		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Delisa LePage
Surveyor Name

Delisa LePage
Surveyor Signature

Supervisor Approval

06822-S-11P214308-16.0
Date: 10/31/03 Time:1408

10-31-03 13:43 Bag# 4308
21430 lb GR
103103 1343 4308 0021430

Shipment Survey

Survey Number: GTEOSI 8912 Date: 10-31-03 Time: 1348

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4309 Storage Bin: 46 Gross Weight: 23110 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	22	LMDA
2	~~0~~		25	
3	~~0~~		24	
4	~~0~~		23	
5	~~0~~		24	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06823-S-110214309-23.0
Date: 10/31/03 Time:1410

10-31-03 13:48 Bag# 4309
23110 lb GR
103103 1348 4309 0023110

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-469
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101437
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: D. Ruetto
DATE: 11/7/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-469

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker/GTEOSI DATE: 11/7/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3141E+00	1.7065E-01	NA	18880 LBS; 149 FT3	4094
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4110E+00	9.2189E-02	NA	18830 LBS; 149 FT3	4097
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5420E+00	6.8702E-02	NA	19770 LBS; 156 FT3	4098
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7806E+00	7.5152E-02	NA	20680 LBS; 163 FT3	4213
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1609E+00	1.9354E-01	NA	19400 LBS; 153 FT3	4234
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0401E+00	1.9028E-01	NA	20510 LBS; 162 FT3	4238

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-469

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5588E+00	1.2321E-01	NA	21740 LBS; 172 FT3	4248
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2073E+00	1.4074E-01	NA	21430 LBS; 169 FT3	4308
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5782E+00	1.5076E-01	NA	23110 LBS; 183 FT3	4309

FORM 540A (04-03)

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3	41.2292	kg	83293.1724	NP	NP	NP	NP
	ft3	1456.0000	ton	91.8150				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	4.4593E+01	NP	NP	NP	NP	(kg)	2.6247E+00
mCi	1.2052E+00	NP	NP	NP	NP	(tons)	2.8932E-03

2. MANIFEST NUMBER 0840-01-469

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-469

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4094/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8563.8245	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [4.8095E-08 kg]	1.18333E-01	3.7370E-02	1.0100E-03	AU
		149.0000	9.4400	0.0100	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [3.6727E-02 kg]	4.73333E-01	1.4948E-01	4.0400E-03	
												U-nat [2.3323E-01 kg]	1.94015E+01	6.1272E+00	1.6560E-01	
												Subtotal		6.3141E+00	1.7065E-01	
												Total Source [2.6996E-01 kg]		6.3141E+00	1.7065E-01	
4097/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8541.1449	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [6.9888E-08 kg]	1.72411E-01	5.4305E-02	1.4677E-03	AU
		149.0000	9.4150	0.0100	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [5.3369E-02 kg]	6.89645E-01	2.1721E-01	5.8706E-03	
												U-nat [1.1951E-01 kg]	9.96780E+00	3.1395E+00	8.4851E-02	
												Subtotal		3.4110E+00	9.2189E-02	
												Total Source [1.7288E-01 kg]		3.4110E+00	9.2189E-02	
4098/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8967.5217	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [5.1927E-08 kg]	1.21986E-01	4.0349E-02	1.0905E-03	AU
		156.0000	9.8850	0.0100	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [3.9653E-02 kg]	4.87943E-01	1.6139E-01	4.3619E-03	
												U-nat [8.9085E-02 kg]	7.07557E+00	2.3403E+00	6.3250E-02	
												Subtotal		2.5420E+00	6.8702E-02	
												Total Source [1.2874E-01 kg]		2.5420E+00	6.8702E-02	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-469

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4213/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9380.2908	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [6.2492E-08 kg]	1.40319E-01	4.8555E-02	1.3123E-03	AU
		163.0000	10.3400	0.0400	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [4.7721E-02 kg]	5.61277E-01	1.9422E-01	5.2493E-03	
												U-nat [9.6606E-02 kg]	7.33396E+00	2.5378E+00	6.8590E-02	
												Subtotal		2.7806E+00	7.5152E-02	
												Total Source [1.4433E-01 kg]		2.7806E+00	7.5152E-02	
4234/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8799.6926	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [3.7369E-07 kg]	8.94681E-01	2.9036E-01	7.8475E-03	AU
		153.0000	9.7000	0.0200	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [2.8536E-01 kg]	3.57872E+00	1.1614E+00	3.1390E-02	
												U-nat [2.1733E-01 kg]	1.75917E+01	5.7091E+00	1.5430E-01	
												Subtotal		7.1609E+00	1.9354E-01	
												Total Source [5.0269E-01 kg]		7.1609E+00	1.9354E-01	
4238/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9303.1801	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [3.3596E-07 kg]	7.60638E-01	2.6104E-01	7.0551E-03	AU
		162.0000	10.2550	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [2.5655E-01 kg]	3.04255E+00	1.0441E+00	2.8220E-02	
												U-nat [2.1831E-01 kg]	1.67114E+01	5.7350E+00	1.5500E-01	
												Subtotal		7.0401E+00	1.9028E-01	
												Total Source [4.7486E-01 kg]		7.0401E+00	1.9028E-01	
4248/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9861.0988	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.1753E-07 kg]	2.50993E-01	9.1323E-02	2.4682E-03	AU
		172.0000	10.8700	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [8.9752E-02 kg]	1.00397E+00	3.6529E-01	9.8727E-03	
												U-nat [1.5615E-01 kg]	1.12743E+01	4.1022E+00	1.1087E-01	
												Subtotal		4.5588E+00	1.2321E-01	
												Total Source [2.4590E-01 kg]		4.5588E+00	1.2321E-01	
4308/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9720.4851	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [2.5779E-07 kg]	5.58511E-01	2.0030E-01	5.4136E-03	AU
		169.0000	10.7150	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.9686E-01 kg]	2.23404E+00	8.0120E-01	2.1654E-02	
												U-nat [1.6010E-01 kg]	1.17275E+01	4.2058E+00	1.1367E-01	
												Subtotal		5.2073E+00	1.4074E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-469

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (lon)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total		5.2073E+00	1.4074E-01	
												Source [3.5696E-01 kg]				
4309/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10482.5204	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [1.8839E-07 kg]	3.78369E-01	1.4638E-01	3.9561E-03	AU
												Th-232 [1.4386E-01 kg]	1.51348E+00	5.8549E-01	1.5824E-02	
		183.0000	11.5550	0.0200	<2.2000E+02	<2.2000E+03		183.0000				U-nat [1.8448E-01 kg]	1.25273E+01	4.8463E+00	1.3098E-01	
												Subtotal		5.5782E+00	1.5076E-01	
												Total		5.5782E+00	1.5076E-01	
												Source [3.2834E-01 kg]				
Shipment Totals		41.2292	83619.7589									Source [2.6247E+00 kg]		4.4593E+01	1.2052E+00	
		1456.0000	92.1750													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-469
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-469
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1700E+00	3.1621E-02
Th-232	4.6799E+00	1.2648E-01
U-nat	3.8743E+01	1.0471E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-469
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101437

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: R. Rivetta
DATE: 11/18/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-469

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L64836
DATE: 11/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [illegible] TITLE: [illegible] DATE: [illegible]

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3141E+00	1.7065E-01	NA	18880 LBS; 149 FT3	4094
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4110E+00	9.2189E-02	NA	18830 LBS; 149 FT3	4097
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5420E+00	6.8702E-02	NA	19770 LBS; 156 FT3	4098
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7806E+00	7.5152E-02	NA	20680 LBS; 163 FT3	4213
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1609E+00	1.9354E-01	NA	19400 LBS; 153 FT3	4234
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0401E+00	1.9028E-01	NA	20510 LBS; 162 FT3	4238

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-469	CIRR	JTSX 101437

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 11/7/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

Shipment Number- 0840-01-473, 472, 471, 470, 469

Truck Number- 36, 38

Trailer Number- 225, 226

A qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the corresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~N/A~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~N/A~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-7-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101437

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4238	20510
	Liner	4213	20680
			Total:
			41190
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101437
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4094	18880
	Liner		0
			Total:
			18880
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101437
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4097	18830
	Liner	4098	19770
			Total:
			38600
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101437
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4309	23110
	Liner	4308	21430
			Total:
			44540
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport	G. Amato		11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101437

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4248	21740
	Liner	4234	19400
			Total:
			41140
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/7/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4094		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4097		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4098		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4213		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4234		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4238		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4248		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4308		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4309		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200500	18830	19770	23110	21430	21740	19400	20510	20680	18880
	0840-01-469	Bag #	4097	4098	4309	4308	4248	4234	4238	4213	4094
	Storage Loc.										
101437	11/7/2003	200500	181670	161900	138790	117360	95620	76220	55710	35030	16150

Shipment Survey

Survey Number: GTEOSI 8716 Date: 10-23-03 Time: 1338

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4113 Storage Bin: 100 AISLE Gross Weight: 21160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	29	<MDA
2	~~0~~		33	
3	~~0~~		38	
4	1		30	
5	~~0~~		30	
6	~~0~~		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Lehage — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

86511-S-14Y144113-06.0
Date: 10/23/03 Time: 1326

10-23-03 13:38 Bag# 4113
21160 lb GR
102303 1338 4113 0021160

Shipment Survey

Survey Number: GTE05I 8796 Date: 10-28-03 Time: 1125

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4189 Storage Bin: 49 Gross Weight: 22570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

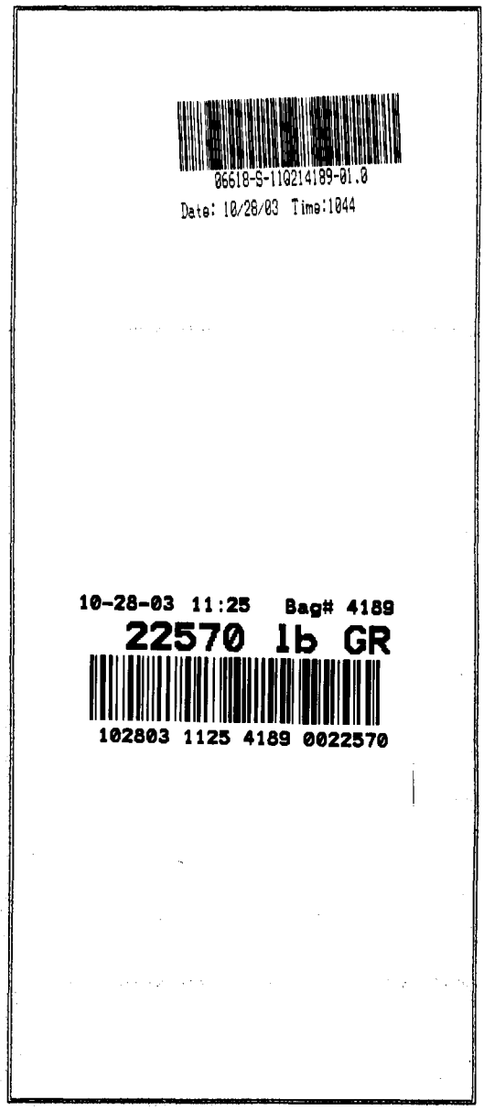
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		27	
3	2		37	
4	0		30	
5	1		32	
6	1		15	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8824 Date: 10-28-03 Time: 1606

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4207 Storage Bin: 56 Gross Weight: 22100 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	25	<MDA
2	Ø		32	
3	Ø		22	
4	Ø		28	
5	1		26	
6	1		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

06655-S-110214207-13.0
Date: 10/28/03 Time:1537

10-28-03 16:06 Bag# 4207
22100 lb GR
102803 1606 4207 0022100

Shipment Survey

Survey Number: GTEOSI 8812 Date: 10-28-03 Time: 1456

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4210 Storage Bin: 53 Gross Weight: 21410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	29	<MDA
2	~~0~~		32	
3	1		43	
4	~~0~~		32	
5	4		27	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06649-S-14V124210-04.0
Date: 10/28/03 Time:1453

10-28-03 14:56 Bag# 4210
21410 lb GR
102803 1456 4210 0021410

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8816 Date: 10-28-03 Time: 1526

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4212 Storage Bin: 54 Gross Weight: 20710 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	26	<MDA
2	Ø		35	
3	Ø		20	
4	1		34	
5	Ø		28	
6	Ø		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06651-S-14Y124212-04.0
Date: 10/28/03 Time:1511

10-28-03 15:26 Bag# 4212
20710 lb GR
102803 1526 4212 0020710

Shipment Survey

Survey Number: GTEOSI 8823 Date: 10-28-03 Time: 1602

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4222 Storage Bin: 56 Gross Weight: 21610 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	36	<MDA
2	1		26	
3	Ø		32	
4	Ø		41	
5	Ø		27	
6	Ø		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06662-S-14Y124222-04.0
Date: 10/28/03 Time:1601

10-28-03 16:02 Bag# 4222
21610 lb GR
102803 1602 4222 0021610

Shipment Survey

Survey Number: GTEOSI 8832 Date: 10-29-03 Time: 0812

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4226 Storage Bin: 58 Gross Weight: 21570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	80	N/A	500
Smear #				
1	2	<MDA	24	<MDA
2	4		32	
3	1		23	
4	1		29	
5	1		23	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage Debra LPage

Surveyor Name Surveyor Signature

Supervisor Approval

06671-S-110214226-14.0

Date: 10/29/03 Time: 0833

10-29-03 8:10 Bag# 4226

21570 lb GR

102903 0810 4226 0021570

Shipment Survey

Survey Number: GTEOSI 8849 Date: 10-30-03 Time: 0810

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4243 Storage Bin: 63 Gross Weight: 21820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	19	<MDA
2	1		23	
3	1		20	
4	4		40	
5	0		24	
6	1		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06696-S-110224243-16.0
Date: 10/30/03 Time:0828

10-30-03 8:10 Bag# 4243
21820 lb GR
103003 0810 4243 0021820

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8856 Date: 10-30-03 Time: 0931

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4259 Storage Bin: 32 Gross Weight: 21820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	36	<MDA
2	0		21	
3	2		18	
4	3		31	
5	3		42	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy

Surveyor Name

Surveyor Signature

Supervisor Approval

06705-S-14X124259-06.0

Date: 10/30/03 Time:0931

10-30-03 9:31 Bag# 4259

21820 lb GR

103003 0931 4259 0021820

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-470
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101430
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER – Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt: R. Amato
DATE: 11/7/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-470

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/7/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9931E+00	8.0896E-02	NA	21160 LBS; 167 FT3	4113
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6741E+01	4.5245E-01	NA	22570 LBS; 178 FT3	4189
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2369E+00	2.4965E-01	NA	22100 LBS; 175 FT3	4207
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6664E+00	9.9090E-02	NA	21410 LBS; 169 FT3	4210
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8447E+00	1.0391E-01	NA	20710 LBS; 164 FT3	4212
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3963E+00	9.1793E-02	NA	21610 LBS; 171 FT3	4222

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-470

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7187E+00	2.0861E-01	NA	21570 LBS; 171 FT3	4226
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.2630E+00	1.9630E-01	NA	21820 LBS; 173 FT3	4243
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.3447E+00	6.3369E-02	NA	21820 LBS; 173 FT3	4259

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.6362 ft3 1541.0000	kg 88019.6053 ton 97.0250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.7204E+01	NP	NP	NP	NP	(kg)	3.7565E+00
mCi	1.5461E+00	NP	NP	NP	NP	(tons)	4.1408E-03

2. MANIFEST NUMBER 0840-01-470

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-470

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4113/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9598.0152	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [5.3928E-08 kg]	1.18333E-01	4.1903E-02	1.1325E-03	AU
		167.0000	10.5800	0.0100	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [4.1181E-02 kg]	4.73333E-01	1.6761E-01	4.5300E-03	
												U-nat [1.0596E-01 kg]	7.86109E+00	2.7836E+00	7.5233E-02	
												Subtotal		2.9931E+00	8.0896E-02	
												Total Source [1.4714E-01 kg]		2.9931E+00	8.0896E-02	
4189/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10237.5805	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [7.1656E-07 kg]	1.47376E+00	5.5678E-01	1.5048E-02	AU
		178.0000	11.2850	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [5.4719E-01 kg]	5.89504E+00	2.2271E+00	6.0191E-02	
												U-nat [5.3128E-01 kg]	3.69433E+01	1.3957E+01	3.7721E-01	
												Subtotal		1.6741E+01	4.5245E-01	
												Total Source [1.0785E+00 kg]		1.6741E+01	4.5245E-01	
4207/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10024.3920	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [8.2414E-07 kg]	1.73121E+00	6.4036E-01	1.7307E-02	AU
		175.0000	11.0500	0.0300	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [6.2935E-01 kg]	6.92482E+00	2.5614E+00	6.9228E-02	
												U-nat [2.2973E-01 kg]	1.63154E+01	6.0351E+00	1.6311E-01	
												Subtotal		9.2369E+00	2.4965E-01	
												Total Source [8.5907E-01 kg]		9.2369E+00	2.4965E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-470

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES		pCi/gm	MBq	mCi	
4210/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9711.4133	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230	[6.4673E-08 kg]	1.40248E-01	5.0250E-02	1.3581E-03	AU
		169.0000	10.7050	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232	[4.9387E-02 kg]	5.60993E-01	2.0101E-01	5.4326E-03	
												U-nat	[1.3000E-01 kg]	9.53124E+00	3.4151E+00	9.2299E-02	
												Subtotal			3.6664E+00	9.9090E-02	
												Total			3.6664E+00	9.9090E-02	
												Source	[1.7938E-01 kg]				
4212/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9393.8986	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230	[6.2741E-08 kg]	1.40674E-01	4.8751E-02	1.3176E-03	AU
		164.0000	10.3550	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232	[4.7911E-02 kg]	5.62695E-01	1.9500E-01	5.2702E-03	
												U-nat	[1.3707E-01 kg]	1.03910E+01	3.6009E+00	9.7322E-02	
												Subtotal			3.8447E+00	1.0391E-01	
												Total			3.8447E+00	1.0391E-01	
												Source	[1.8498E-01 kg]				
4222/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9802.1318	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230	[8.6539E-08 kg]	1.85922E-01	6.7240E-02	1.8173E-03	AU
		171.0000	10.8050	0.0300	<2.2000E+02	<2.2000E+03		171.0000				Th-232	[6.6084E-02 kg]	7.43688E-01	2.6896E-01	7.2693E-03	
												U-nat	[1.1649E-01 kg]	8.46125E+00	3.0601E+00	8.2706E-02	
												Subtotal			3.3963E+00	9.1793E-02	
												Total			3.3963E+00	9.1793E-02	
												Source	[1.8257E-01 kg]				
4226/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9783.9881	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230	[3.5553E-07 kg]	7.65248E-01	2.7625E-01	7.4661E-03	AU
		171.0000	10.7850	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232	[2.7150E-01 kg]	3.06099E+00	1.1050E+00	2.9865E-02	
												U-nat	[2.4124E-01 kg]	1.75553E+01	6.3374E+00	1.7128E-01	
												Subtotal			7.7187E+00	2.0861E-01	
												Total			7.7187E+00	2.0861E-01	
												Source	[5.1273E-01 kg]				
4243/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9897.3862	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230	[3.7150E-07 kg]	7.90426E-01	2.8866E-01	7.8015E-03	AU
		173.0000	10.9100	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232	[2.8369E-01 kg]	3.16170E+00	1.1546E+00	3.1206E-02	
												U-nat	[2.2154E-01 kg]	1.59364E+01	5.8197E+00	1.5729E-01	
												Subtotal			7.2630E+00	1.9630E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-470

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.0523E-01 kg]		7.2630E+00	1.9630E-01	
4259/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9897.3862	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [2.8667E-08 kg]	6.09929E-02	2.2274E-02	6.0200E-04	AU
		173.0000	10.9100	0.0300	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [2.1891E-02 kg]	2.43972E-01	8.9096E-02	2.4080E-03	
												U-nat [8.5013E-02 kg]	6.11541E+00	2.2333E+00	6.0359E-02	
												Subtotal		2.3447E+00	6.3369E-02	
												Total Source [1.0690E-01 kg]		2.3447E+00	6.3369E-02	
Shipment Totals		43.6362	88346.1919									Source [3.7565E+00 kg]		5.7204E+01	1.5461E+00	
		1541.0000	97.3850													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-470
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-470
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.9924E+00	5.3850E-02
Th-232	7.9698E+00	2.1540E-01
U-nat	4.7242E+01	1.2768E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-470

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: JTSX-101430

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/07/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: D. Ameto

DATE: [illegible]

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-470

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L64839

DATE: 11/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [illegible] — TITLE: [illegible] — DATE: [illegible]

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9931E+00	8.0896E-02	NA	21160 LBS; 167 FT3	4113
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6741E+01	4.5245E-01	NA	22570 LBS; 178 FT3	4189
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2369E+00	2.4965E-01	NA	22100 LBS; 175 FT3	4207
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6664E+00	9.9090E-02	NA	21410 LBS; 169 FT3	4210
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8447E+00	1.0391E-01	NA	20710 LBS; 164 FT3	4212
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3963E+00	9.1793E-02	NA	21610 LBS; 171 FT3	4222

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-470	LIRR	JTSX 101430

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	~~☐~~	~~☐~~	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	~~☐~~	~~☐~~	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	~~☐~~	~~☐~~	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	~~☐~~	~~☐~~	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dwight B Stovall

Shipment Date 11/7/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

:hipment Number- 0840-01-473, 472, 471, 470, 469

ruck Number- 36, 38

railer Number- 225, 226

\ qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~N/A~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~N/A~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-7-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101430

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4189	22570
	Liner		0
			Total:
			22570
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101430
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4226	21570
	Liner	4212	20710
			Total:
			42280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101430

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4222	21610
	Liner	4207	22100
			Total:
			43710
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101430

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4210	21410
	Liner	4259	21820
			Total:
			43230
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101430
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4113	21160
	Liner	4243	21820
			Total:
			42980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/7/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4113		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4189		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4207		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4210		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4212		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4222		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4226		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4243		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4259		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200900	22570	21570	20710	21610	22100	21410	21820	21160	21820
	0840-01-470	Bag #	4189	4226	4212	4222	4207	4210	4259	4113	4243
	Storage Loc.										
101430	11/7/2003	200900	178330	156760	136050	114440	92340	70930	49110	27950	6130

Shipment Survey

Survey Number: GTEOSI 8212 Date: 10-17-03 Time: 1141

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3913 Storage Bin: 33 Gross Weight: 23010 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	~~180~~ 130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

JL 10-20-03

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	31	<MDA
2	Ø		27	
3	Ø		28	
4	Ø		34	
5	1		27	
6			22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06163-S-12P183913-09.0
Date: 10/17/03 Time:1144

10-17-03 11:42 Bag# 3913
23010 lb GR
101703 1142 3913 0023010

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8707 Date: 10-23-03 Time: 1107

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4102 Storage Bin: 100 AISLE Gross Weight: 20350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	22	<MDA
2	~~0~~		26	
3	1		36	
4	1		30	
5	2		27	
6	~~0~~		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

06500-S-14X144102-06.0

Date: 10/23/03 Time:1239

10-23-03 11:07 Bag# 4102

20350 lb GR

102303 1107 4102 0020350

Shipment Survey

Survey Number: GTEOSI 8713 Date: 10-23-03 Time: 1304

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4109 Storage Bin: 100 AISLE Gross Weight: 18930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	31	<MDA
2	1		28	
3	0		36	
4	0		33	
5	0		28	
6	1		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06509-S-14X144109-06.0
Date: 10/23/03 Time:1310

10-23-03 13:04 Bag# 4109
18930 lb GR
102303 1304 4109 0018930

Shipment Survey

Survey Number: GTEOSI 8786 Date: 10-28-03 Time: 1023

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4172 Storage Bin: 47 Gross Weight: 24220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	25	<MDA
2	~~0~~		33	
3	2		36	
4	~~0~~		19	
5	1		27	
6	~~0~~		14	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06613-S-110214172-00.5

Date: 10/28/03 Time:1026

10-28-03 10:23 Bag# 4172

24220 lb GR

102803 1023 4172 0024220

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I 8797 Date: 10-28-03 Time: 1129

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4194 Storage Bin: 50 Gross Weight: 24020 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	25	<MDA
2	0		21	
3	2		38	
4	0		36	
5	1		34	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy
Surveyor Name

Surveyor Signature

Supervisor Approval

06626-S-11Q214194-05.0
Date: 10/28/03 Time:1137

10-28-03 11:29 Bag# 4194
24020 lb GR
102803 1129 4194 0024020

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8822 Date: 10-28-03 Time: 1556

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4217 Storage Bin: 56 Gross Weight: 24680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	26	<MDA
2	Ø		24	
3	Ø		38	
4	2		37	
5	Ø		15	
6	Ø		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

Shipment Survey

Survey Number: GTEOSI 8841 Date: 10-29-03 Time: 1012

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4236 Storage Bin: 61 Gross Weight: 22270 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	23	<MDA
2	1		25	
3	1		24	
4	0		25	
5	0		34	
6	1		37	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

86679-S-11P224236-10.0

Date: 10/29/03 Time:1035

10-29-03 10:12 Bag# 4236

22270 lb GR

102903 1012 4236 0022270

Shipment Survey

Survey Number: GTEOSI 8844 Date: 10-29-03 Time: 1042

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4241 Storage Bin: 62 Gross Weight: 21610 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	27	<MDA
2	0		26	
3	0		28	
4	0		32	
5	1		16	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06686-S-11P224241-10.0

Date: 10/29/03 Time:1116

10-29-03 10:42 Bag# 4241

21610 lb GR

102903 1042 4241 0021610

Shipment Survey

Survey Number: GTEOSI 8923 Date: 10-31-03 Time: 1533

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4327 Storage Bin: 49 Gross Weight: 20950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	0		22	
3	1		17	
4	0		26	
5	0		26	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage — Surveyor Name

Debra LeSage — Surveyor Signature

[illegible] in lieu of R Hoppping — Supervisor Approval

06839-S-11P214327-12.0
Date: 10/31/03 Time:1551

10-31-03 15:33 Bag# 4327
20950 lb GR
103103 1533 4327 0020950

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-471
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101448

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: D. Amato
DATE: 11/7/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-471

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/7/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9595E+00	2.1512E-01	NA	23010 LBS; 182 FT3	3913
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4325E+00	9.2771E-02	NA	20350 LBS; 161 FT3	4102
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4318E+00	9.2752E-02	NA	18930 LBS; 150 FT3	4109
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.4951E+00	2.2960E-01	NA	24220 LBS; 192 FT3	4172
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6060E+01	4.3405E-01	NA	24020 LBS; 190 FT3	4194
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.8066E+00	2.3802E-01	NA	24680 LBS; 195 FT3	4217

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-471

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4744E+00	1.7498E-01	NA	22270 LBS; 176 FT3	4236
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2124E+00	1.1385E-01	NA	21610 LBS; 171 FT3	4241
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9419E+01	5.2484E-01	NA	20950 LBS; 166 FT3	4327

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3	44.8256	kg	90410.0371	NP	NP	NP	NP
	ft3	1583.0000	ton	99.6600				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.8291E+01	NP	NP	NP	NP	(kg)	4.2511E+00
mCi	2.1160E+00	NP	NP	NP	NP	(tons)	4.6861E-03

2. MANIFEST NUMBER 0840-01-471

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-471

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3913/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10437.1611	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [8.5644E-08 kg]	1.72766E-01	6.6545E-02	1.7985E-03	AU
		182.0000	11.5050	0.0100	<2.2000E+02	<2.2000E+03		182.0000				Th-232 [6.5401E-02 kg]	6.91064E-01	2.6618E-01	7.1941E-03	
												U-nat [2.9033E-01 kg]	1.98009E+01	7.6268E+00	2.0613E-01	
												Subtotal		7.9595E+00	2.1512E-01	
												Total Source [3.5573E-01 kg]		7.9595E+00	2.1512E-01	
4102/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9230.6053	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [9.3595E-08 kg]	2.13582E-01	7.2724E-02	1.9655E-03	AU
		161.0000	10.1750	0.0100	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [7.1473E-02 kg]	8.54326E-01	2.9089E-01	7.8620E-03	
												U-nat [1.1682E-01 kg]	9.01296E+00	3.0689E+00	8.2943E-02	
												Subtotal		3.4325E+00	9.2771E-02	
												Total Source [1.8829E-01 kg]		3.4325E+00	9.2771E-02	
4109/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8586.5041	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [6.0738E-08 kg]	1.49043E-01	4.7194E-02	1.2755E-03	AU
		150.0000	9.4650	0.0100	<2.2000E+02	<2.2000E+03		150.0000				Th-232 [4.6382E-02 kg]	5.96170E-01	1.8877E-01	5.1020E-03	
												U-nat [1.2165E-01 kg]	1.00928E+01	3.1958E+00	8.6374E-02	
												Subtotal		3.4318E+00	9.2752E-02	
												Total Source [1.6803E-01 kg]		3.4318E+00	9.2752E-02	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-471

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4172/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.4368	10986.0079	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.4368	100	OXIDES/NONE	0.00	Th-230 [1.1026E-07 kg]	2.11277E-01	8.5674E-02	2.3155E-03	AU
		192.0000	12.1100	0.0100	<2.2000E+02	<2.2000E+03		192.0000				Th-232 [8.4200E-02 kg]	8.45106E-01	3.4269E-01	9.2620E-03	
												U-nat [3.0707E-01 kg]	1.98931E+01	8.0667E+00	2.1802E-01	
												Subtotal		8.4951E+00	2.2960E-01	
												Total Source [3.9127E-01 kg]		8.4951E+00	2.2960E-01	
4194/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3802	10895.2894	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3802	100	OXIDES/NONE	0.00	Th-230 [8.3085E-07 kg]	1.60532E+00	6.4558E-01	1.7448E-02	AU
		190.0000	12.0100	0.0400	<2.2000E+02	<2.2000E+03		190.0000				Th-232 [6.3447E-01 kg]	6.42128E+00	2.5823E+00	6.9791E-02	
												U-nat [4.8847E-01 kg]	3.19089E+01	1.2832E+01	3.4681E-01	
												Subtotal		1.6060E+01	4.3405E-01	
												Total Source [1.1229E+00 kg]		1.6060E+01	4.3405E-01	
4217/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.5218	11194.6604	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.5218	100	OXIDES/NONE	0.00	Th-230 [4.4168E-07 kg]	8.30496E-01	3.4319E-01	9.2753E-03	AU
		195.0000	12.3400	0.0300	<2.2000E+02	<2.2000E+03		195.0000				Th-232 [3.3728E-01 kg]	3.32199E+00	1.3727E+00	3.7101E-02	
												U-nat [2.6991E-01 kg]	1.71587E+01	7.0907E+00	1.9164E-01	
												Subtotal		8.8066E+00	2.3802E-01	
												Total Source [6.0719E-01 kg]		8.8066E+00	2.3802E-01	
4236/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10101.5027	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [2.4633E-07 kg]	5.13475E-01	1.9140E-01	5.1729E-03	AU
		176.0000	11.1350	0.0200	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [1.8811E-01 kg]	2.05390E+00	7.6560E-01	2.0692E-02	
												U-nat [2.1002E-01 kg]	1.48016E+01	5.5174E+00	1.4912E-01	
												Subtotal		6.4744E+00	1.7498E-01	
												Total Source [3.9813E-01 kg]		6.4744E+00	1.7498E-01	
4241/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9802.1318	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [6.4553E-08 kg]	1.38688E-01	5.0157E-02	1.3556E-03	AU
		171.0000	10.8050	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [4.9295E-02 kg]	5.54752E-01	2.0063E-01	5.4225E-03	
												U-nat [1.5081E-01 kg]	1.09541E+01	3.9616E+00	1.0707E-01	
												Subtotal		4.2124E+00	1.1385E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-471

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2)		PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
					ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				
												RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.0010E-01 kg]		4.2124E+00	1.1385E-01	
4327/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9502.7608	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [1.3032E-07 kg]	2.88830E-01	1.0126E-01	2.7367E-03	AU
												Th-232 [9.9515E-02 kg]	1.15532E+00	4.0504E-01	1.0947E-02	
		166.0000	10.4750	0.0300	<2.2000E+02	<2.2000E+03		166.0000				U-nat [7.1995E-01 kg]	5.39485E+01	1.8913E+01	5.1116E-01	
												Subtotal		1.9419E+01	5.2484E-01	
												Total Source [8.1946E-01 kg]		1.9419E+01	5.2484E-01	
Shipment Totals		44.8256	90736.6235									Source [4.2511E+00 kg]		7.8291E+01	2.1160E+00	
		1583.0000	100.0200													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-471
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-471
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.6037E+00	4.3343E-02
Th-232	6.4148E+00	1.7337E-01
U-nat	7.0273E+01	1.8993E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-471
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101448
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-471

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L64840
DATE: 11/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9595E+00	2.1512E-01	NA	23010 LBS; 182 FT3	3913
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4325E+00	9.2771E-02	NA	20350 LBS; 161 FT3	4102
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4318E+00	9.2752E-02	NA	18930 LBS; 150 FT3	4109
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.4951E+00	2.2960E-01	NA	24220 LBS; 192 FT3	4172
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6060E+01	4.3405E-01	NA	24020 LBS; 190 FT3	4194
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.8066E+00	2.3802E-01	NA	24680 LBS; 195 FT3	4217

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01- 471	LIRR	ITSX 101448

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	~~☐~~	~~☐~~	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	~~☐~~	~~☐~~	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	~~☐~~	~~☐~~	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	~~☐~~	~~☐~~	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 11/7/03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

:hipment Number- 0840-01-473, 472, 471, 470, 469

ruck Number- 36/38

railer Number- 225, 226

\ qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-7-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101448
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3913	23010
	Liner	4172	24220
			Total:
			47230
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101448

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4241	21610
	Liner	4194	24020
			Total:
			45630
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101448
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4236	22270
	Liner	4217	24680
			Total:
			46950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX 101448
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4327	20950
	Liner	4109	18930
			Total:
			39880
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101448

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4102	20350
	Liner		0
			Total:
			20350
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/7/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3913		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4102		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4109		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4172		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4194		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4217		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4236		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4241		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4327		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200400	**23010**	**24220**	**21610**	**24020**	**22270**	**24680**	20950	18930	20350
SLW	0840-01-471	Bag #	**3913**	**4172**	**4241**	**4194**	**4236**	**4217**	4327	4109	4102
	Storage Loc.		**slw**	**slw**	**slw**	**slw**	**slw**	**slw**			
101448	11/7/2003	200400	177390	153170	131560	107540	85270	60590	39640	20710	360

Shipment Survey

Survey Number: GTEOSI 8701 Date: 10-23-03 Time: 1008

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4096 Storage Bin: 100 AISLE Gross Weight: 22090 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	35	LMDA
2	~~0~~		23	
3	2		29	
4	1		35	
5	~~0~~		29	
6	~~0~~		41	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06494-S-14X154096-06.0

Date: 10/23/03 Time: 1123

10-23-03 10:08 Bag# 4096

22090 lb GR

102303 1008 4096 0022090

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8703 Date: 10-23-03 Time: 1027

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4099 Storage Bin: 100 AISLE Gross Weight: 19450 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	20	<MDA
2	1		19	
3	1		25	
4	0		45	
5	0		31	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06497-S-14X144899-06.0

Date: 10/23/03 Time:1140

10-23-03 10:27 Bag# 4099

19450 lb GR

102303 1027 4099 0019450

Shipment Survey

Survey Number: GTEOSI 8718 Date: 10-23-03 Time: 1429

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4111 Storage Bin: 100 AISLE Gross Weight: 21640 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	27	<MDA
2	1		33	
3	1		24	
4	1		31	
5	Ø		24	
6	Ø		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LPage
Surveyor Signature

Supervisor Approval

06512-S-14Y144111-06.0
Date: 10/23/03 Time: 1340

10-23-03 14:29 Bag# 4111
21640 lb GR
102303 1429 4111 0021640

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8818 Date: 10-28-03 Time: 1535

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4211 Storage Bin: 55 Gross Weight: 21950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	40	<MDA
2	1		33	
3	0		28	
4	3		32	
5	0		23	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06653-S-110214211-13.0
Date: 10/28/03 Time:1518

10-28-03 15:35 Bag# 4211
21950 lb GR
102803 1535 4211 0021950

Shipment Survey

Survey Number: GTEOSI 8817 Date: 10-28-03 Time: 1529

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4214 Storage Bin: 55 Gross Weight: 20870 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	1		26	
3	0		30	
4	0		29	
5	1		29	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

06657-S-110214214-13.0

Date: 10/28/03 Time:1539

10-28-03 15:29 Bag# 4214

20870 lb GR

102803 1529 4214 0020870

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8906 Date: 10-31-03 Time: 1310

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4303 Storage Bin: 45 Gross Weight: 22740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	20	<MDA
2	1		27	
3	Ø		22	
4	Ø		30	
5	Ø		24	
6	Ø		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval in lieu of R Hepping

06817-S-1102143303-21.0
Date: 10/31/03 Time:1343

10-31-03 13:10 Bag# 4303
22740 lb GR
103103 1310 4303 0022740

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8907 Date: 10-31-03 Time: 1316

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4304 Storage Bin: 45 Gross Weight: 22300 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	29	<MDA
2	Ø		20	
3	Ø		40	
4	Ø		24	
5	Ø		26	
6	Ø		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeSage — Debra L Page
Surveyor Name — Surveyor Signature

Supervisor Approval — for in lieu of R Hopping

06818-S-11Q214304-22.0
Date: 10/31/03 Time:1345

10-31-03 13:16 Bag# 4304
22300 lb GR
103103 1316 4304 0022300

Shipment Survey

Survey Number: GTEOSI 8908 Date: 10-31-03 Time: 1322

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4305 Storage Bin: 45 Gross Weight: 20780 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	23	<MDA
2	1		26	
3	~~0~~		26	
4	~~0~~		32	
5	~~0~~		23	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06819-S-11P224305-20.0
Date: 10/31/03 Time:1402

10-31-03 13:22 Bag# 4305
20780 lb GR
103103 1322 4305 0020780

Shipment Survey

Survey Number: GTEOSI 8910 Date: 10-31-03 Time: 1337

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4307 Storage Bin: 46 Gross Weight: 22430 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	18	<MDA
2	0		16	
3	0		26	
4	1		24	
5	0		16	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06821-8-11P214307-16.0
Date: 10/31/03 Time:1406

10-31-03 13:37 Bag# 4307
22430 lb GR
103103 1337 4307 0022430

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-472
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100054

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: D. Amato
DATE: 11/7/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-472

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/7/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1169E+00	8.4242E-02	NA	22090 LBS; 175 FT3	4096
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9035E+00	1.0550E-01	NA	19450 LBS; 154 FT3	4099
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7699E+00	7.4862E-02	NA	21640 LBS; 171 FT3	4111
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1549E+01	3.1215E-01	NA	21950 LBS; 174 FT3	4211
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1074E+01	2.9930E-01	NA	20870 LBS; 165 FT3	4214
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.2905E+00	2.2407E-01	NA	22740 LBS; 180 FT3	4303

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-472

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0645E+00	8.2823E-02	NA	22300 LBS; 176 FT3	4304
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9961E+00	2.1611E-01	NA	20780 LBS; 164 FT3	4305
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2441E+00	1.6876E-01	NA	22430 LBS; 177 FT3	4307

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.4947 ft3 1536.0000	kg 87783.7371 ton 96.7650	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.5137E+01	NP	NP	NP	NP	(kg)	3.7434E+00
mCi	1.4902E+00	NP	NP	NP	NP	(tons)	4.1264E-03

2. MANIFEST NUMBER **0840-01-472**

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME **GTEOSI**

SHIPMENT ID NUMBER **0840-01-472**

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4096/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10019.8561	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [6.3090E-08 kg]	1.32589E-01	4.9021E-02	1.3249E-03	AU
		175.0000	11.0450	0.0100	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [4.8178E-02 kg]	5.30355E-01	1.9609E-01	5.2996E-03	
												U-nat [1.0932E-01 kg]	7.76745E+00	(2.8718E+00)	(7.7617E-02)	
												Subtotal		2.4511E-01	6.6245E-03	
												Total Source [1.5750E-01 kg]		2.4511E-01	6.6245E-03	
4099/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8822.3722	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [9.4652E-08 kg]	2.26028E-01	7.3545E-02	1.9877E-03	AU
		154.0000	9.7250	0.0100	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [7.2280E-02 kg]	9.04113E-01	2.9418E-01	7.9508E-03	
												U-nat [1.3459E-01 kg]	1.08667E+01	3.5358E+00	9.5562E-02	
												Subtotal		3.9035E+00	1.0550E-01	
												Total Source [2.0687E-01 kg]		3.9035E+00	1.0550E-01	
4111/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9815.7395	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [6.1156E-08 kg]	1.31206E-01	4.7519E-02	1.2843E-03	AU
		171.0000	10.8200	0.0100	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [4.6701E-02 kg]	5.24823E-01	1.9007E-01	5.1371E-03	
												U-nat [9.6396E-02 kg]	6.99218E+00	2.5323E+00	6.8441E-02	
												Subtotal		2.7699E+00	7.4862E-02	
												Total Source [1.4310E-01 kg]		2.7699E+00	7.4862E-02	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-472

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4211/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.9271	9956.3532	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [6.8909E-07 kg]	1.45745E+00	5.3543E-01	1.4471E-02	AU
												Th-232 [5.2622E-01 kg]	5.82979E+00	2.1417E+00	5.7884E-02	
		174.0000	10.9750	0.0400	<2.2000E+02	<2.2000E+03		174.0000				U-nat [3.3773E-01 kg]	2.41503E+01	8.8722E+00	2.3979E-01	
												Subtotal		1.1549E+01	3.1215E-01	
												Total Source [8.6395E-01 kg]		1.1549E+01	3.1215E-01	
4214/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9466.4734	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [4.0531E-07 kg]	9.01773E-01	3.1493E-01	8.5115E-03	AU
												Th-232 [3.0951E-01 kg]	3.60709E+00	1.2597E+00	3.4046E-02	
		165.0000	10.4350	0.0300	<2.2000E+02	<2.2000E+03		165.0000				U-nat [3.6161E-01 kg]	2.72011E+01	9.4994E+00	2.5674E-01	
												Subtotal		1.1074E+01	2.9930E-01	
												Total Source [6.7112E-01 kg]		1.1074E+01	2.9930E-01	
4303/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.0970	10314.6912	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [3.0731E-07 kg]	6.27305E-01	2.3878E-01	6.4535E-03	AU
												Th-232 [2.3467E-01 kg]	2.50922E+00	9.5512E-01	2.5814E-02	
		180.0000	11.3700	0.0200	<2.2000E+02	<2.2000E+03		180.0000				U-nat [2.7014E-01 kg]	1.86437E+01	7.0966E+00	1.9180E-01	
												Subtotal		8.2905E+00	2.2407E-01	
												Total Source [5.0481E-01 kg]		8.2905E+00	2.2407E-01	
4304/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10115.1105	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [2.5143E-07 kg]	5.23404E-01	1.9536E-01	5.2800E-03	AU
												Th-232 [1.9200E-01 kg]	2.09362E+00	7.8144E-01	2.1120E-02	
		176.0000	11.1500	0.0200	<2.2000E+02	<2.2000E+03		176.0000				U-nat [7.9469E-02 kg]	5.59315E+00	2.0877E+00	5.6423E-02	
												Subtotal		3.0645E+00	8.2823E-02	
												Total Source [2.7147E-01 kg]		3.0645E+00	8.2823E-02	
4305/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9425.6501	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [4.3276E-07 kg]	9.67021E-01	3.3625E-01	9.0879E-03	AU
												Th-232 [3.3047E-01 kg]	3.86809E+00	1.3450E+00	3.6352E-02	
		164.0000	10.3900	0.0200	<2.2000E+02	<2.2000E+03		164.0000				U-nat [2.4039E-01 kg]	1.81610E+01	6.3148E+00	1.7067E-01	
												Subtotal		7.9961E+00	2.1611E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-472

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.7085E-01 kg]		7.9961E+00	2.1611E-01	
4307/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10174.0775	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [1.8848E-07 kg]	3.90071E-01	1.4645E-01	3.9580E-03	AU
												Th-232 [1.4393E-01 kg]	1.56028E+00	5.8578E-01	1.5832E-02	
												U-nat [2.0982E-01 kg]	1.46814E+01	5.5119E+00	1.4897E-01	
		177.0000	11.2150	0.0200	<2.2000E+02	<2.2000E+03		177.0000				Subtotal		6.2441E+00	1.6876E-01	
												Total Source [3.5375E-01 kg]		6.2441E+00	1.6876E-01	
Shipment Totals		43.4947	88110.3237									Source [3.7434E+00 kg]		5.5137E+01	1.4902E+00	
		1536.0000	97.1250													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-472
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-472
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.9373E+00	5.2359E-02
Th-232	7.7491E+00	2.0944E-01
U-nat	4.8323E+01	1.3060E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-472
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100054

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: D. Amato
DATE: 11/7/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-472

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64841

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE 11/7/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1169E+00	8.4242E-02	NA	22090 LBS; 175 FT3	4096
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9035E+00	1.0550E-01	NA	19450 LBS; 154 FT3	4099
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7699E+00	7.4862E-02	NA	21640 LBS; 171 FT3	4111
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1549E+01	3.1215E-01	NA	21950 LBS; 174 FT3	4211
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1074E+01	2.9930E-01	NA	20870 LBS; 165 FT3	4214
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.2905E+00	2.2407E-01	NA	22740 LBS; 180 FT3	4303

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

:hipment Number- 0840-01-473, 472, 471, 470, 469

ruck Number- 36, 38

railer Number- 225, 226

\ qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-7-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-472	LIRR	MWCX 100054

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 11/7/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100054

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4214	20870
	Liner		0
			Total:
			20870
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100054

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4099	19450
	Liner	4096	22090
			Total:
			41540
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100054

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4307	22430
	Liner	4111	21640
			Total:
			44070
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100054

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4211	21950
	Liner	4304	22300
			Total:
			44250
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100054

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4305	20780
	Liner	4303	22740
			Total:
			43520
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/7/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4096		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4099		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4111		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4211		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4214		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4303		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4304		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4305		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4307		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209700	20870	19450	22090	21950	22300	22430	21640	20780	22740
	0840-01-472	Bag #	4214	4099	4096	4211	4304	4307	4111	4305	4303
	Storage Loc.										
100054	11/7/2003	209700	188830	169380	147290	125340	103040	80610	58970	38190	15450

Shipment Survey

Survey Number: GTEOSI 8717 Date: 10-23-03 Time: 1348

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4110 Storage Bin: 100 AISLE Gross Weight: 21860 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	24	<MDA
2	0		23	
3	0		28	
4	0		26	
5	0		33	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8719 Date: 10-23-03 Time: 1437

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4114 Storage Bin: 100 AISLE Gross Weight: 21410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	35	LMDA
2	~~0~~		24	
3	~~0~~		27	
4	~~0~~		19	
5	1		27	
6	2		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06514-S-14Y144114-06.0

Date: 10/23/03 Time:1401

10-23-03 14:38 Bag# 4114

21410 lb GR

102303 1438 4114 0021410

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8905 Date: 10-31-03 Time: 1305

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4302 Storage Bin: 45 Gross Weight: 22500 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	25	LMDA
2	1		24	
3	1		28	
4	2		22	
5	~~0~~		20	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L. LePage
Surveyor Signature

Supervisor Approval

10-31-03 13:05 Bag# 4302

22500 lb GR

103103 1305 4302 0022500

Shipment Survey

Survey Number: GTEOSI 8909 Date: 10-31-03 Time: 1330

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4306 Storage Bin: 46 Gross Weight: 21290 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	25	<MDA
2	Ø		23	
3	Ø		29	
4	Ø		22	
5	Ø		12	
6	Ø		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] in lieu of R Hopping
Supervisor Approval

06820-S-11P224306-20.0
Date: 10/31/03 Time:1404

10-31-03 13:30 Bag# 4306
21290 lb GR
103103 1330 4306 0021290

Shipment Survey

Survey Number: GTEOSI 8913 Date: 10-31-03 Time: 1420

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4310 Storage Bin: 47 Gross Weight: 22160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	29	LMDA
2	0		19	
3	4		34	
4	0		24	
5	0		37	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LaPage
Surveyor Name

Debra L Page
Surveyor Signature

W Yarsch in lieu of R Happny
Supervisor Approval

06824-S-11P214310-16.0
Date: 10/31/03 Time:1412

10-31-03 14:20 Bag# 4310
22160 lb GR
103103 1420 4310 0022160

Shipment Survey

Survey Number: GTE05I 8917 Date: 10-31-03 Time: 1449

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4314 Storage Bin: 48 Gross Weight: 21780 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .011 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	LMDA	24	LMDA
2	Ø		27	
3	Ø		30	
4	Ø		31	
5	Ø		29	
6	Ø		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LaPage — Debra LaPage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Happeny
Supervisor Approval

06834-S-11P214314-16.0
Date: 10/31/03 Time:1539

10-31-03 14:49 Bag# 4314
21780 lb GR
103103 1449 4314 0021780

Shipment Survey

Survey Number: GTEOSI 8919 Date: 10-31-03 Time: 1504

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4315 Storage Bin: 48 Gross Weight: 22180 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	21	<MDA
2	Ø		14	
3	Ø		28	
4	Ø		18	
5	Ø		21	
6	Ø		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval — on behalf of R Hoppping

06835-S-11P214315-12.0
Date: 10/31/03 Time:1541

10-31-03 15:04 Bag# 4315
22180 lb GR
103103 1504 4315 0022180

Shipment Survey

Survey Number: GTEOSI 8921 Date: 10-31-03 Time: 1518

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4325 Storage Bin: 49 Gross Weight: 21700 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	28	<MDA
2	0		28	
3	0		27	
4	0		24	
5	0		21	
6	0		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06837-S-11P214325-12.0
Date: 10/31/03 Time:1546

10-31-03 15:18 Bag# 4325
21700 lb GR
103103 1518 4325 0021700

Shipment Survey

Survey Number: GTEOSI 8924 Date: 10-31-03 Time: 1537

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4328 Storage Bin: 49 Gross Weight: 21550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .05 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	27	LMDA
2	0		28	
3	2		25	
4	0		24	
5	0		29	
6	0		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06840-S-11P214328-12.0
Date: 10/31/03 Time:1558

10-31-03 15:37 Bag# 4328
21550 lb GR
103103 1537 4328 0021550

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-473
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5225

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: D. Amato
DATE: 11/7/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-473

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/7/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6462E+00	9.8547E-02	NA	21860 LBS; 173 FT3	4110
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5478E+00	6.8861E-02	NA	21410 LBS; 169 FT3	4114
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4158E+00	2.0043E-01	NA	22500 LBS; 178 FT3	4302
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5469E+00	2.0397E-01	NA	21290 LBS; 168 FT3	4306
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3464E+00	1.4450E-01	NA	22160 LBS; 175 FT3	4310
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2084E+01	3.2662E-01	NA	21780 LBS; 172 FT3	4314

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-473

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0044E+01	2.7145E-01	NA	22180 LBS; 175 FT3	4315
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.3330E+01	6.3053E-01	NA	21700 LBS; 172 FT3	4325
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0148E+00	1.6256E-01	NA	21550 LBS; 170 FT3	4328

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.9476 / ft3 1552.0000	kg 88772.5686 / ton 97.8550	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.7976E+01	NP	NP	NP	NP	(kg)	3.9096E+00
mCi	2.1075E+00	NP	NP	NP	NP	(tons)	4.3096E-03

2. MANIFEST NUMBER 0840-01-473

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-473

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4110/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9915.5299	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [5.2045E-08 kg]	1.10532E-01	4.0441E-02	1.0930E-03	AU
		173.0000	10.9300	0.0100	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [3.9744E-02 kg]	4.42128E-01	1.6176E-01	4.3718E-03	
												U-nat [1.3110E-01 kg]	9.41351E+00	3.4440E+00	9.3082E-02	
												Subtotal		3.6462E+00	9.8547E-02	
												Total Source [1.7084E-01 kg]		3.6462E+00	9.8547E-02	
4114/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9711.4133	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [5.1968E-08 kg]	1.12695E-01	4.0378E-02	1.0913E-03	AU
		169.0000	10.7050	0.0100	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [3.9684E-02 kg]	4.50780E-01	1.6152E-01	4.3653E-03	
												U-nat [8.9302E-02 kg]	6.54744E+00	2.3459E+00	6.3404E-02	
												Subtotal		2.5478E+00	6.8861E-02	
												Total Source [1.2899E-01 kg]		2.5478E+00	6.8861E-02	
4302/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10205.8290	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [4.9673E-07 kg]	1.02482E+00	3.8595E-01	1.0431E-02	AU
		178.0000	11.2500	0.0300	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [3.7932E-01 kg]	4.09929E+00	1.5438E+00	4.1725E-02	
												U-nat [2.0883E-01 kg]	1.45663E+01	5.4860E+00	1.4827E-01	
												Subtotal		7.4158E+00	2.0043E-01	
												Total Source [5.8815E-01 kg]		7.4158E+00	2.0043E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-473

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4306/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9656.9822	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [2.1838E-07 kg]	4.76241E-01	1.6968E-01	4.5859E-03	AU
		168.0000	10.6450	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [1.6676E-01 kg]	1.90496E+00	6.7873E-01	1.8344E-02	
												U-nat [2.5498E-01 kg]	1.88006E+01	6.6985E+00	1.8104E-01	
												Subtotal		7.5469E+00	2.0397E-01	
												Total Source [4.2174E-01 kg]		7.5469E+00	2.0397E-01	
4310/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10051.6076	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.4361E-07 kg]	3.00851E-01	1.1158E-01	3.0158E-03	AU
		175.0000	11.0800	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.0967E-01 kg]	1.20340E+00	4.4633E-01	1.2063E-02	
												U-nat [1.8227E-01 kg]	1.29101E+01	4.7885E+00	1.2942E-01	
												Subtotal		5.3464E+00	1.4450E-01	
												Total Source [2.9194E-01 kg]		5.3464E+00	1.4450E-01	
4314/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9879.2425	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.3628E-07 kg]	2.90496E-01	1.0589E-01	2.8619E-03	AU
		172.0000	10.8900	0.0110	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.0407E-01 kg]	1.16199E+00	4.2358E-01	1.1448E-02	
												U-nat [4.3988E-01 kg]	3.17012E+01	1.1555E+01	3.1231E-01	
												Subtotal		1.2084E+01	3.2662E-01	
												Total Source [5.4395E-01 kg]		1.2084E+01	3.2662E-01	
4315/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10060.6794	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.7214E-07 kg]	3.60284E-01	1.3375E-01	3.6149E-03	AU
		175.0000	11.0900	0.0150	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.3145E-01 kg]	1.44113E+00	5.3502E-01	1.4460E-02	
												U-nat [3.5688E-01 kg]	2.52538E+01	9.3751E+00	2.5338E-01	
												Subtotal		1.0044E+01	2.7145E-01	
												Total Source [4.8833E-01 kg]		1.0044E+01	2.7145E-01	
4325/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9842.9551	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.5925E-07 kg]	3.40709E-01	1.2374E-01	3.3442E-03	AU
		172.0000	10.8500	0.0300	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.2161E-01 kg]	1.36284E+00	4.9495E-01	1.3377E-02	
												U-nat [8.6453E-01 kg]	6.25352E+01	2.2711E+01	6.1381E-01	
												Subtotal		2.3330E+01	6.3053E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-473

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [9.8613E-01 kg]		2.3330E+01	6.3053E-01	
4328/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.8139	9774.9162	0.0005	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [9.8396E-08 kg]	2.11986E-01	7.6453E-02	2.0663E-03	AU
												Th-232 [7.5138E-02 kg]	8.47943E-01	3.0581E-01	8.2652E-03	
		170.0000	10.7750	0.0500	<2.2000E+02	<2.2000E+03		170.0000				U-nat [2.1440E-01 kg]	1.56172E+01	5.6325E+00	1.5223E-01	
												Subtotal		6.0148E+00	1.6256E-01	
												Total Source [2.8954E-01 kg]		6.0148E+00	1.6256E-01	
Shipment Totals		43.9476	89099.1552									Source [3.9096E+00 kg]		7.7976E+01	2.1075E+00	
		1552.0000	98.2150													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-473
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-473
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1879E+00	3.2105E-02
Th-232	4.7515E+00	1.2842E-01
U-nat	7.2037E+01	1.9469E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	454	11/10/2003	11/22/2003	1601.00	A
0840	01	453	11/10/2003	11/22/2003	1582.00	A
0840	01	419	11/10/2003	11/22/2003	1612.00	A
0840	01	447	11/10/2003	11/22/2003	1587.00	A
0840	01	448	11/10/2003	11/22/2003	1615.00	A
0840	01	449	11/10/2003	11/22/2003	1616.00	A
0840	01	452	11/10/2003	11/22/2003	1603.00	A
0840	01	451	11/10/2003	11/22/2003	1611.00	A
0840	01	450	11/10/2003	11/22/2003	1616.00	A
0840	01	441	11/12/2003	11/22/2003	1639.00	A
0840	01	430	11/12/2003	11/22/2003	1539.00	A
0840	01	439	11/12/2003	11/22/2003	1655.00	A
0840	01	462	11/17/2003	11/26/2003	1550.00	A
0840	01	463	11/17/2003	11/26/2003	1586.00	A
0840	01	464	11/17/2003	11/26/2003	1494.00	A
0840	01	471	11/18/2003	11/26/2003	1583.00	A
0840	01	472	11/18/2003	11/26/2003	1536.00	A
0840	01	470	11/18/2003	11/26/2003	1541.00	A
0840	01	469	11/18/2003	11/26/2003	1456.00	A
0840	01	473	11/18/2003	11/26/2003	1552.00	A
0840	01	466	11/21/2003	11/26/2003	1541.00	A
0840	01	468	11/21/2003	11/26/2003	1229.00	A
0840	01	458	11/21/2003	11/26/2003	1599.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-473
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5225

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/07/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-473

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L64842

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6462E+00	9.8547E-02	NA	21860 LBS; 173 FT3	4110
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5478E+00	6.8861E-02	NA	21410 LBS; 169 FT3	4114
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4158E+00	2.0043E-01	NA	22500 LBS; 178 FT3	4302
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5469E+00	2.0397E-01	NA	21290 LBS; 168 FT3	4306
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3464E+00	1.4450E-01	NA	22160 LBS; 175 FT3	4310
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2084E+01	3.2662E-01	NA	21780 LBS; 172 FT3	4314

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 0840-01-473, 472, 471, 470, 469

ruck Number- 36, 38

railer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-7-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-473	LIRR	MHFX 5225

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	~~☐~~	~~☐~~	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	~~☐~~	~~☐~~	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	~~☐~~	~~☐~~	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	~~☐~~	~~☐~~	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 11/7/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5225

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4306	21290
	Liner	4114	21410
			Total:
			42700
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5225
TR:	TL:	

Quantity	Description		Gross Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		
	Liner	4314	21780
	Liner	4302	22500
			Total:
			44280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5225
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Wgt. Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4110	21860
	Liner	4328	21550
			Total:
			43410
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5225
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4315	22180
	Liner	4310	22160
			Total:
			44340
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport			11/7/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/7/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5225

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4325	21700
	Liner		0
			Total:
			21700
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/7/2003
Transporter	Signature		Date
Priority Transport	D. Ameto		11/7/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/7/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4110		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4114		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4302		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4306		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4310		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4314		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4315		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4325		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4328		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	200100	21290	21410	21780	22500	21860	21550	22180	22160	21700
	0840-01-473	Bag #	4306	4114	4314	4302	4110	4328	4315	4310	4325
	Storage Loc.										
5225	11/7/2003	200100	178810	157400	135620	113120	91260	69710	47530	25370	3670

Shipment Survey

Survey Number: GTEOSI- 7035 Date: 9-18-03 Time: 1328

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 3072 Storage Bin: 37 Gross Weight: 20850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	32	<MDA
2	0		24	
3	0		36	
4	0		28	
5	0		26	
6	0		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LPage

Surveyor Name — Surveyor Signature

Supervisor Approval

04793-S-04V163072-12.0

Date: 09/18/03 Time:1331

9-18-03 13:16 Bag# 3072

20850 lb GR

091803 1316 3072 0020850

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8705 Date: 10-23-03 Time: 1046

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4100 Storage Bin: I00 AISLE Gross Weight: 20950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	22	LMDA
2	~~0~~		25	
3	~~0~~		23	
4	1		38	
5	~~0~~		23	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06498-S-14X144100-06.0
Date: 10/23/03 Time:1143

10-23-03 10:46 Bag# 4100
20950 lb GR
102303 1046 4100 0020950

Shipment Survey

Survey Number: GTEOSI 8862 Date: 10-30-03 Time: 0952

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4260 Storage Bin: 35 Gross Weight: 20900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	30	<MDA
2	2		22	
3	2		30	
4	2		30	
5	0		31	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

06708-S-14X134260-06.0
Date: 10/30/03 Time:0951

10-30-03 9:53 Bag# 4260
20900 lb GR
103003 0953 4260 0020900

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8867 Date: 10-30-03 Time: 1017

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4262 Storage Bin: 35 Gross Weight: 22550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	50	N/A	500
Smear #				
1	2	<MDA	21	<MDA
2	2		24	
3	1		27	
4	0		36	
5	2		32	
6	1		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage
Surveyor Name

Surveyor Signature

Supervisor Approval

06716-S-11Q214262-16.0
Date: 10/30/03 Time:1033

10-30-03 10:17 Bag# 4262
22550 lb GR
103003 1017 4262 0022550

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8865 Date: 10-30-03 Time: 1007

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4263 Storage Bin: 35 Gross Weight: 22040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	37	<MDA
2	1		36	
3	3		26	
4	1		23	
5	0		23	
6	1		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

R Page — Surveyor Signature

Supervisor Approval

06709-S-14X134263-06.0

Date: 10/30/03 Time:0954

10-30-03 10:07 Bag# 4263

22040 lb GR

103003 1007 4263 0022040

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8876 Date: 10-30-03 Time: 1051

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4273 Storage Bin: ~~3~~ 37 PV 10/30/03 Gross Weight: 23100 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	22	<MDA
2	~~0~~		42	
3	2		30	
4	2		26	
5	2		21	
6	~~0~~		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06721-S-11P214273-06.0
Date: 10/30/03 Time:1103

10-30-03 10:51 Bag# 4273
23100 lb GR
103003 1051 4273 0023100

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8930 Date: 11-3-03 Time: 0804

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4317 Storage Bin: 51 Gross Weight: 22870 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	36	<MDA
2	0		26	
3	1		23	
4	4		31	
5	2		31	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06846-S-11Q224317-16.0
Date: 11/03/03 Time:0818

11-03-03 8:04 Bag# 4317
22870 lb GR
110303 0804 4317 0022870

Shipment Survey

Survey Number: GTEOSI 8931 Date: 11-3-03 Time: 0812

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4318 Storage Bin: 51 Gross Weight: 23080 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	36	<MDA
2	Ø		22	
3	Ø		25	
4	Ø		20	
5	Ø		28	
6	1		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] under of R Happ[illegible]
Supervisor Approval

06847-S-11Q224318-16.0
Date: 11/03/03 Time:0825

11-03-03 8:12 Bag# 4318
23080 lb GR
110303 0812 4318 0023080

Shipment Survey

Survey Number: GTEOSI 8929 Date: 11-3-03 Time: 0756

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4333 Storage Bin: 51 Gross Weight: 20940 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	27	LMDA
2	Ø		27	
3	Ø		27	
4	1		36	
5	Ø		26	
6	1		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06845-S-110224333-16.0
Date: 11/03/03 Time:0815

11-03-03 7:56 Bag# 4333
20940 lb GR
110303 0756 4333 0020940

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-474

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-5268

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/10/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Amato

DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-474

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7460E+00	1.2827E-01	NA	20850 LBS; 165 FT3	3072
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1179E+00	8.4267E-02	NA	20950 LBS; 166 FT3	4100
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1877E+00	8.6155E-02	NA	20900 LBS; 165 FT3	4260
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4404E+00	1.4704E-01	NA	22550 LBS; 178 FT3	4262
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1344E+00	1.6579E-01	NA	22040 LBS; 174 FT3	4263
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4683E+00	9.3737E-02	NA	23100 LBS; 183 FT3	4273

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-474

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2264E+01	3.3145E-01	NA	22870 LBS; 181 FT3	4317
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3788E+01	3.7263E-01	NA	23080 LBS; 183 FT3	4318
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.0041E+00	2.1632E-01	NA	20940 LBS; 166 FT3	4333

FORM 540A (04-03)

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 44.2026 / ft3 1561.0000	kg 89158.1221 / ton 98.2800	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.0150E+01	NP	NP	NP	NP	(kg)	3.1664E+00
mCi	1.6257E+00	NP	NP	NP	NP	(tons)	3.4904E-03

2. MANIFEST NUMBER 0840-01-474

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-474

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3072/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9457.4015	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [5.0476E-08 kg]	1.12411E-01	3.9220E-02	1.0600E-03	AU
		165.0000	10.4250	0.0100	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [3.8545E-02 kg]	4.49645E-01	1.5688E-01	4.2400E-03	
												U-nat [3.6169E-01 kg]	6.52067E+00	4.5499E+00	1.2297E-01	
												Subtotal		4.7460E+00	1.2827E-01	
												Total Source [4.0023E-01 kg]		4.7460E+00	1.2827E-01	
4100/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9502.7608	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [6.0143E-08 kg]	1.33298E-01	4.6731E-02	1.2630E-03	AU
		166.0000	10.4750	0.0100	<2.2000E+02	<2.2000E+03		166.0000				Th-232 [4.5927E-02 kg]	5.33191E-01	1.8692E-01	5.0520E-03	
												U-nat [1.0979E-01 kg]	8.22714E+00	2.8842E+00	7.7952E-02	
												Subtotal		3.1179E+00	8.4267E-02	
												Total Source [1.5572E-01 kg]		3.1179E+00	8.4267E-02	
4260/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9480.0812	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [5.4348E-08 kg]	1.20745E-01	4.2228E-02	1.1413E-03	AU
		165.0000	10.4500	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [4.1502E-02 kg]	4.82979E-01	1.6892E-01	4.5653E-03	
												U-nat [1.1331E-01 kg]	8.51094E+00	2.9766E+00	8.0448E-02	
												Subtotal		3.1877E+00	8.6155E-02	
												Total Source [1.5481E-01 kg]		3.1877E+00	8.6155E-02	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-474

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4262/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10228.5086	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [1.8294E-07 kg]	3.76596E-01	1.4215E-01	3.8418E-03	AU
		178.0000	11.2750	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [1.3970E-01 kg]	1.50638E+00	5.6858E-01	1.5367E-02	
												U-nat [1.8004E-01 kg]	1.25301E+01	4.7297E+00	1.2783E-01	
												Subtotal		5.4404E+00	1.4704E-01	
												Total Source [3.1974E-01 kg]		5.4404E+00	1.4704E-01	
4263/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9997.1765	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [8.4984E-08 kg]	1.79007E-01	6.6034E-02	1.7847E-03	AU
		174.0000	11.0200	0.0300	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [6.4897E-02 kg]	7.16028E-01	2.6413E-01	7.1387E-03	
												U-nat [2.2094E-01 kg]	1.57344E+01	5.8042E+00	1.5687E-01	
												Subtotal		6.1344E+00	1.6579E-01	
												Total Source [2.8584E-01 kg]		6.1344E+00	1.6579E-01	
4273/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10477.9844	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [2.2325E-07 kg]	4.48582E-01	1.7346E-01	4.6882E-03	AU
		183.0000	11.5500	0.0200	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [1.7048E-01 kg]	1.79433E+00	6.9386E-01	1.8753E-02	
												U-nat [9.9009E-02 kg]	6.72622E+00	2.6010E+00	7.0296E-02	
												Subtotal		3.4683E+00	9.3737E-02	
												Total Source [2.6949E-01 kg]		3.4683E+00	9.3737E-02	
4317/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10373.6582	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.3051E-07 kg]	2.64894E-01	1.0141E-01	2.7408E-03	AU
		181.0000	11.4350	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [9.9664E-02 kg]	1.05957E+00	4.0563E-01	1.0963E-02	
												U-nat [4.4753E-01 kg]	3.07099E+01	1.1757E+01	3.1775E-01	
												Subtotal		1.2264E+01	3.3145E-01	
												Total Source [5.4719E-01 kg]		1.2264E+01	3.3145E-01	
4318/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10468.9126	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [2.0789E-07 kg]	4.18085E-01	1.6153E-01	4.3656E-03	AU
		183.0000	11.5400	0.0200	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [1.5875E-01 kg]	1.67234E+00	6.4613E-01	1.7463E-02	
												U-nat [4.9408E-01 kg]	3.35947E+01	1.2980E+01	3.5080E-01	
												Subtotal		1.3788E+01	3.7263E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-474

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [6.5283E-01 kg]		1.3788E+01	3.7263E-01	
4333/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9498.2249	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [1.2328E-07 kg]	2.73369E-01	9.5789E-02	2.5889E-03	AU
												Th-232 [9.4143E-02 kg]	1.09348E+00	3.8317E-01	1.0356E-02	
		166.0000	10.4700	0.0100	<2.2000E+02	<2.2000E+03		166.0000				U-nat [2.8645E-01 kg]	2.14755E+01	7.5251E+00	2.0338E-01	
												Subtotal		8.0041E+00	2.1632E-01	
												Total Source [3.8060E-01 kg]		8.0041E+00	2.1632E-01	
Shipment Totals		44.2026	89484.7087									Source [3.1664E+00 kg]		6.0150E+01	1.6257E+00	
		1561.0000	98.6400													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-474
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-474
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	8.6855E-01	2.3474E-02
Th-232	3.4742E+00	9.3897E-02
U-nat	5.5807E+01	1.5083E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-474
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5268

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-474

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
C65042

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 11/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] — TITLE: Broker GTEOSI — DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7460E+00	1.2827E-01	NA	20850 LBS; 165 FT3	3072
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1179E+00	8.4267E-02	NA	20950 LBS; 166 FT3	4100
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1877E+00	8.6155E-02	NA	20900 LBS; 165 FT3	4260
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4404E+00	1.4704E-01	NA	22550 LBS; 178 FT3	4262
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1344E+00	1.6579E-01	NA	22040 LBS; 174 FT3	4263
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4683E+00	9.3737E-02	NA	23100 LBS; 183 FT3	4273

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

Shipment Number- 0840-01-474, 475, 476, 477, 478

Truck Number- 36, 38

Trailer Number- 225, 226

A qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the corresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~NA~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~NA~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-10-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-474	LIRR	MHFX 5268

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Breyer O'Macal

Shipment Date 11/10/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5268
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4318	23080
	Liner		0
			Total:
			23080
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5268
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4333	20940
	Liner	4317	22870
			Total:
			43810
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5268
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3072	20850
	Liner	4100	20950
			Total:
			41800
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

Gregory Dimaculo

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5268
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4263	22040
	Liner	4273	23100
			Total:
			45140
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5268
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4260	20900
	Liner	4262	22550
			Total:
			43450
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/10/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3072		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4100		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4260		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4262		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4263		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4273		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4317		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4318		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4333		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Averaging over a Gondola PCE Results			
Bagnum	Total		
0057	45.867		
4104	0.084		
4103	0.08		
4319	0.118		
4329	0.214		
4330	0.194		
4331	0.122		
4108	0.107		
4332	0.11		
Total	46.90		

11/10

DTSX - 101446

0840 - 01 - 475

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	202200	22040	23100	20900	22550	20850	20950	20940	22870	23080
	0840-01-474	Bag #	4263	4273	4260	4262	3072	4100	4333	4317	4318
	Storage Loc.						avg o one				
5268		202200	180160	157060	136160	113610	92760	71810	50870	28000	4920

Averaging over a Gondola PCE Results			
Bagnum	Total		
3072	53.22		
4263	0.08		
4273	0.08		
4260	0.10		
4262	0.09		
4100	0.10		
4333	0.16		
4317	0.11		
4318	0.41		
Total	54.35		

MHFX-5268

0840-01-474

Shipment Survey

4/23/2003

Survey Number: GTEOSI-0403 Date: 5-7-03 Time: 1345

Waste Container Type: Super Sack Intermodal Other: N/A

Waste Container ID #: 0057 Storage Bin: 35 Gross Weight: 21190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	190657		190631		190646		180299
Probe #	N/A		N/A		N/A		N/A
Calibration Due Date:	3-14-04		2-23-04		2-23-04		4-29-~~03~~ 04
	α	β	α	β	α	β	
Background	0 cpm	30 cpm	0 cpm	30 cpm	0 cpm	30 cpm	7 μR/hr
Efficiency	29 %	26 %	29 %	26 %	29 %	26 %	
MDA	25 dpm	150 dpm	25 dpm	150 dpm	25 dpm	150 dpm	

DAD 5-14-03

Maximum Contact Dose Rate: 0.035 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	< MDA	38	< MDA
2	0		38	
3	0		32	
4	0		41	
5	0		34	
6	1		39	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DA Davis
Surveyor Name

DA Davis
Surveyor Signature

Supervisor Approval

00008-S-01U070057-08.0
Date: 05/07/03 Time:1329

5-07-03 13:53 Bag# 57
21190 lb GR
050703 1353 0057 0021190

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8708 Date: 10-23-03 Time: 1116

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4103 Storage Bin: 100 AISLE Gross Weight: 20690 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	23	<MDA
2	0		26	
3	0		33	
4	1		36	
5	1		38	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06501-S-14X144103-06.0
Date: 10/23/03 Time:1242

10-23-03 11:16 Bag# 4103
20690 lb GR
102303 1116 4103 0020690

Shipment Survey

Survey Number: GTEOSI 8709 Date: 10-23-03 Time: 1124

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4104 Storage Bin: 100 AISLE Gross Weight: 19670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	33	<MDA
2	2		29	
3	~~0~~		38	
4	~~0~~		38	
5	~~0~~		19	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

06502-S-14X144104-06.0

Date: 10/23/03 Time:1245

10-23-03 11:24 Bag# 4104

19670 lb GR

102303 1124 4104 0019670

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8714 Date: 10-23-03 Time: 1316

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4108 Storage Bin: 100 AISLE Gross Weight: 19490 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <01 mrem/hr Transport Index: 0 mrem/hr

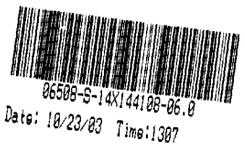
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	21	<MDA
2	0		31	
3	1		36	
4	1		29	
5	1		42	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval



10-23-03 13:19 Bag# 4108

19490 lb GR

102303 1319 4108 0019490

Shipment Survey

Survey Number: GTEOSI 8932 Date: 11-3-03 Time: 0818

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4319 Storage Bin: 51 Gross Weight: 21940 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	23	<MDA
2	1		21	
3	1		29	
4	0		27	
5	3		28	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeSage
Surveyor Name

Surveyor Signature

Supervisor Approval

06848-S-110224319-16.0
Date: 11/03/03 Time:0828

11-03-03 8:18 Bag# 4319
21940 lb GR
110303 0818 4319 0021940

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8925 Date: 10-31-03 Time: 1546

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4329 Storage Bin: 50 Gross Weight: 21870 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	LMDA	28	LMDA
2	1		21	
3	1		30	
4	0		26	
5	0		23	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06841-S-I10224329-15.0
Date: 10/31/03 Time:1600

10-31-03 15:46 Bag# 4329
21870 lb GR
103103 1546 4329 0021870

Shipment Survey

Survey Number: GTEOSI 8926 Date: 10-31-03 Time: 1556

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4330 Storage Bin: 50 Gross Weight: 21220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	25	<MDA
2	0		22	
3	0		27	
4	1		33	
5	0		27	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Wayne R in lieu of R Hepping
Supervisor Approval

06942-S-110224330-15.0
Date: 10/31/03 Time:1605

10-31-03 15:56 Bag# 4330
21220 lb GR
103103 1556 4330 0021220

Shipment Survey

Survey Number: GTEOSI 8927 Date: 10-31-03 Time: 1600

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4331 Storage Bin: 50 Gross Weight: 21480 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	26	<MDA
2	0		19	
3	0		24	
4	0		26	
5	0		20	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page
Surveyor Name — Surveyor Signature

[illegible] under of R Kupping
Supervisor Approval

06843-S-11Q224331-16.0
Date: 10/31/03 Time:1613

10-31-03 16:00 Bag# 4331
21480 lb GR
103103 1600 4331 0021480

Shipment Survey

Survey Number: GTEOSI 8928 Date: 10-31-03 Time: 1604

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4332 Storage Bin: So Gross Weight: 21720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	16	LMDA
2	0		21	
3	0		33	
4	0		29	
5	0		25	
6	0		38	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LaPage — Debra LaPage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Happeny
Supervisor Approval

06844-S-110224332-16.0
Date: 10/31/03 Time:1615

10-31-03 16:04 Bag# 4332
21720 lb GR
103103 1604 4332 0021720

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-475
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) 1

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101446

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-475

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2539E+01	8.7944E-01	NA	21190 LBS; 168 FT3	0057
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.8361E+00	2.3881E-01	NA	20690 LBS; 164 FT3	4103
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6565E+00	9.8824E-02	NA	19670 LBS; 155 FT3	4104
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9125E+00	7.8715E-02	NA	19490 LBS; 154 FT3	4108
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4083E+01	3.8063E-01	NA	21940 LBS; 173 FT3	4319
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7971E+01	1.0262E+00	NA	21870 LBS; 173 FT3	4329

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-475

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0887E+01	2.9424E-01	NA	21220 LBS; 168 FT3	4330
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4528E+00	1.7440E-01	NA	21480 LBS; 170 FT3	4331
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8853E+01	7.7981E-01	NA	21720 LBS; 172 FT3	4332

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.3903 ft3 1497.0000	kg 85524.8471 ton 94.2750	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.4274E+02	NP	NP	NP	NP	(kg)	7.5284E+00
mCi	3.8577E+00	NP	NP	NP	NP	(tons)	8.2987E-03

2. MANIFEST NUMBER 0840-01-475

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-475

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
0057/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9611.6230	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [6.5641E-08 kg]	1.43830E-01	(5.1005E-02)	(1.3785E-03)	AU
		168.0000	10.5950	0.0350	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [5.0126E-02 kg]	5.75319E-01	2.0401E-01	5.5138E-03	
												U-nat [2.5663E+00 kg]	4.55214E+01	3.2284E+01	8.7255E-01	
												Subtotal		3.2488E+01	8.7806E-01	
												Total Source [2.6164E+00 kg]		3.2488E+01	8.7806E-01	
4103/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9384.8268	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [6.4607E-08 kg]	1.45000E-01	5.0202E-02	1.3568E-03	AU
		164.0000	10.3450	0.0100	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [4.9337E-02 kg]	5.80000E-01	2.0080E-01	5.4270E-03	
												U-nat [3.2680E-01 kg]	2.47976E+01	8.5851E+00	2.3203E-01	
												Subtotal		8.8361E+00	2.3881E-01	
												Total Source [3.7614E-01 kg]		8.8361E+00	2.3881E-01	
4104/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8922.1625	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [6.5180E-08 kg]	1.53901E-01	5.0646E-02	1.3688E-03	AU
		155.0000	9.8350	0.0100	<2.2000E+02	<2.2000E+03		155.0000				Th-232 [4.9774E-02 kg]	6.15603E-01	2.0258E-01	5.4751E-03	
												U-nat [1.2955E-01 kg]	1.03420E+01	(3.4033E+00)	(9.1980E-02)	
												Subtotal		2.5323E-01	6.8439E-03	
												Total Source [1.7932E-01 kg]		2.5323E-01	6.8439E-03	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-475

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4108/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8840.5159	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [6.3361E-08 kg]	1.50993E-01	4.9232E-02	1.3306E-03	AU
		154.0000	9.7450	0.0100	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [4.8384E-02 kg]	6.03972E-01	1.9693E-01	5.3223E-03	
												U-nat [1.0150E-01 kg]	8.17762E+00	2.6663E+00	7.2062E-02	
												Subtotal		2.9125E+00	7.8715E-02	
												Total Source [1.4988E-01 kg]		2.9125E+00	7.8715E-02	
4319/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9951.8173	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [2.3227E-07 kg]	4.91489E-01	1.8048E-01	4.8778E-03	AU
		173.0000	10.9700	0.0100	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [1.7737E-01 kg]	1.96596E+00	7.2191E-01	1.9511E-02	
												U-nat [5.0175E-01 kg]	3.58953E+01	1.3181E+01	3.5624E-01	
												Subtotal		1.4083E+01	3.8063E-01	
												Total Source [6.7912E-01 kg]		1.4083E+01	3.8063E-01	
4329/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9920.0658	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [1.1932E-07 kg]	2.53298E-01	9.2715E-02	2.5058E-03	AU
		173.0000	10.9350	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [9.1120E-02 kg]	1.01319E+00	3.7085E-01	1.0023E-02	
												U-nat [1.4277E+00 kg]	1.02466E+02	3.7507E+01	1.0137E+00	
												Subtotal		3.7971E+01	1.0262E+00	
												Total Source [1.5188E+00 kg]		3.7971E+01	1.0262E+00	
4330/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9625.2307	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [1.5215E-07 kg]	3.32908E-01	1.1822E-01	3.1951E-03	AU
		168.0000	10.6100	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [1.1619E-01 kg]	1.33163E+00	4.7286E-01	1.2780E-02	
												U-nat [3.9191E-01 kg]	2.89924E+01	1.0296E+01	2.7826E-01	
												Subtotal		1.0887E+01	2.9424E-01	
												Total Source [5.0810E-01 kg]		1.0887E+01	2.9424E-01	
4331/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9743.1648	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.0808E-07 kg]	2.33617E-01	8.3979E-02	2.2697E-03	AU
		170.0000	10.7400	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [8.2536E-02 kg]	9.34468E-01	3.3592E-01	9.0789E-03	
												U-nat [2.2965E-01 kg]	1.67823E+01	6.0329E+00	1.6305E-01	
												Subtotal		6.4528E+00	1.7440E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-475

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.1218E-01 kg]		6.4528E+00	1.7440E-01	
4332/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.8705	9852.0269	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.4637E-07 kg]	3.12872E-01	1.1373E-01	3.0738E-03	AU
		172.0000	10.8600	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.1178E-01 kg]	1.25149E+00	4.5492E-01	1.2295E-02	
												U-nat [1.0767E+00 kg]	7.78086E+01	2.8284E+01	7.6444E-01	
												Subtotal		2.8853E+01	7.7981E-01	
												Total Source [1.1884E+00 kg]		2.8853E+01	7.7981E-01	
Shipment Totals		42.3903	85851.4337									Source [7.5284E+00 kg]		1.4274E+02	3.8577E+00	
		1497.0000	94.6350													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-475
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-475
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.9020E-01	2.1357E-02
Th-232	3.1608E+00	8.5427E-02
U-nat	1.4224E+02	3.8443E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A-
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-475
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101446

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-475

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65043

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 11/22/03

10. CERTIFICATION
This is to certify that the hereon-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2539E+01	8.7944E-01	NA	21190 LBS; 168 FT3	0057
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.8361E+00	2.3881E-01	NA	20690 LBS; 164 FT3	4103
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6565E+00	9.8824E-02	NA	19670 LBS; 155 FT3	4104
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9125E+00	7.8715E-02	NA	19490 LBS; 154 FT3	4108
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4083E+01	3.8063E-01	NA	21940 LBS; 173 FT3	4319
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7971E+01	1.0262E+00	NA	21870 LBS; 173 FT3	4329

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 2840-01-474,475,476,477,478

ruck Number- 36,38

railer Number- 225,226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ✓
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ✓
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # MF
4. Lamps are operable ✓
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ✓
6. Tires are sufficient ✓
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ✓
8. Windshield wipers are operable ✓
9. Rear-vision mirrors are adequate (1 on each side) ✓
10. Emergency equipment is on-hand and accessible ✓
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ✓
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ✓
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) MF
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ✓

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-10-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-475	LIRR	JTSX 101446

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaculo

Shipment Date

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101446

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4330	21220
	Liner	4331	21480
			Total:
			42700
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101446

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4332	21720
	Liner	4108	19490
			Total:
			41210
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101446

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4104	19670
	Liner	4103	20690
			Total:
			40360
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101446

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4319	21940
	Liner	4329	21870
			Total:
			43810
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101446

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	57	21190
	Liner		0
			Total:
			21190
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	201100	21190	19670	20690	21940	21870	21220	21480	21720	19490
	0840-01-475	Bag #	57	4104	4103	4319	4329	4330	4331	4332	4108
	Storage Loc.		avg o one								
101446		201100	179910	160240	139550	117610	95740	74520	53040	31320	11830

Daily Shipping checklist for Trucks and Packages

Date: 11/10/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	57		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4103		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4104		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4108		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4319		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4329		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4330		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4331		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4332		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

4/23/2003

Survey Number: GTEOSI-0415 Date: 5-7-03 Time: 1710

Waste Container Type: Super Sack Intermodal Other: N/A

Waste Container ID #: 0067 Storage Bin: 39 Gross Weight: 19750 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	190657		190631		190646		180299
Probe #	N/A		N/A		N/A		N/A
Calibration Due Date:	3-14-04		2-23-04		2-23-04		4-29-~~03~~ 04 DAD 5-14-03
	α	β	α	β	α	β	
Background	0 cpm	30 cpm	0 cpm	30 cpm	0 cpm	30 cpm	7 μR/hr
Efficiency	29 %	26 %	29 %	26 %	29 %	26 %	
MDA	25 dpm	150 dpm	25 dpm	150 dpm	25 dpm	150 dpm	

Maximum Contact Dose Rate: 0.05 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	< MDA	32	< MDA
2	0		29	
3	3		55	
4	0		38	
5	0		34	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

D A Davis
Surveyor Name

Surveyor Signature

Supervisor Approval

00100-S-01U060067-06.0
Date: 05/07/03 Time:1600

5-07-03 17:14 Bag# 67
19750 lb GR
050703 1714 0067 0019750

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8710 Date: 10-23-03 Time: 1131

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4105 Storage Bin: 100 AISLE Gross Weight: 21200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	< MDA	35	< MDA
2	~~0~~		30	
3	1		24	
4	~~0~~		27	
5	2		34	
6	~~0~~		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

06503-S-14X144105-06.0
Date: 10/23/03 Time:1247

10-23-03 11:31 Bag# 4105
21200 lb GR
102303 1131 4105 0021200

Shipment Survey

Survey Number: GTEOSI 8711 Date: 10-23-03 Time: 1236

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4106 Storage Bin: 100 AISLE Gross Weight: 21380 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	27	<MDA
2	0		22	
3	0		41	
4	0		35	
5	0		24	
6	0		14	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

06504-S-14X144106-06.0

Date: 10/23/03 Time:1251

10-23-03 12:36 Bag# 4106

21380 lb GR

102303 1236 4106 0021380

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8855 Date: 10-30-03 Time: 0923

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4246 Storage Bin: 32 Gross Weight: 22160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	80	N/A	500
Smear #				
1	1	<MDA	29	<MDA
2	0		30	
3	6		37	
4	3		40	
5	0		30	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage
Surveyor Name

Surveyor Signature

Supervisor Approval

06700-S-11Q214246-16.0
Date: 10/30/03 Time: 0843

10-30-03 9:23 Bag# 4246
22160 lb GR
103003 0923 4246 0022160

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8853 Date: 10-30-03 Time: 0833

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4252 Storage Bin: 32 Gross Weight: 20900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	24	<MDA
2	0		22	
3	3		29	
4	2		17	
5	3		29	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06698-S-14X124252-06.0
Date: 10/30/03 Time:0833

10-30-03 8:33 Bag# 4252
20900 lb GR
103003 0833 4252 0020900

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I 8858 Date: 10-30-03 Time: 0940

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4253 Storage Bin: 33 Gross Weight: 21470 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	21	<MDA
2	0		20	
3	3		24	
4	0		31	
5	1		24	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06703-S-14X124253-06.0

Date: 10/30/03 Time:0852

10-30-03 9:40 Bag# 4253

21470 lb GR

103003 0940 4253 0021470

Shipment Survey

Survey Number: GTEOSI 8860 Date: 10-30-03 Time: 0946

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4255 Storage Bin: 62 Gross Weight: 22740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	28	<MDA
2	Ø		22	
3	5		50	
4	Ø		30	
5	2		15	
6	3		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06707-S-110214255-16.0
Date: 10/30/03 Time:0949

10-30-03 9:46 Bag# 4255
22740 lb GR
103003 0946 4255 0022740

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I 8859 Date: 10-30-03 Time: 0943

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4256 Storage Bin: 33 Gross Weight: 20350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	28	<MDA
2	0		17	
3	4		36	
4	1		26	
5	1		34	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra K Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06704-S-14X124256-06.0
Date: 10/30/03 Time:0954

10-30-03 9:43 Bag# 4256
20350 lb GR
103003 0943 4256 0020350

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8874 Date: 10-30-03 Time: 1041

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4264 Storage Bin: 37 Gross Weight: 21790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	1		31	
3	1		23	
4	1		34	
5	1		31	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06723-S-14X134264-06.0
Date: 10/30/03 Time:1111

10-30-03 10:41 Bag# 4264
21790 lb GR
103003 1041 4264 0021790

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====> EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-476
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5267

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Cumasto
DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-476

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6685E+01	1.2618E+00	NA	19750 LBS; 156 FT3	0067
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8221E+00	1.0330E-01	NA	21200 LBS; 168 FT3	4105
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3270E+00	1.1695E-01	NA	21380 LBS; 169 FT3	4106
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3085E+00	1.9753E-01	NA	22160 LBS; 175 FT3	4246
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2768E+00	8.8562E-02	NA	20900 LBS; 165 FT3	4252
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.5356E+00	2.5772E-01	NA	21470 LBS; 170 FT3	4253

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-476

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.6762E+00	2.3449E-01	NA	22740 LBS; 180 FT3	4255
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.2086E+00	5.9692E-02	NA	20350 LBS; 161 FT3	4256
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6040E+00	2.0551E-01	NA	21790 LBS; 172 FT3	4264

FORM 540A (04-03)

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.9282 ft3 1516.0000	kg 86645.2202 ton 95.5100	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	9.3377E+01	NP	NP	NP	NP	(kg)	6.2182E+00
mCi	2.5237E+00	NP	NP	NP	NP	(tons)	6.8544E-03

2. MANIFEST NUMBER 0840-01-476

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-476

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
0067/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8958.4499	0.0005	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [8.6241E-08 kg]	2.02801E-01	(6.7011E-02)	(1.8111E-03)	AU
		156.0000	9.8750	0.0500	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [6.5857E-02 kg]	8.11206E-01	2.6804E-01	7.2442E-03	
												U-nat [3.6844E+00 kg]	7.01388E+01	4.6350E+01	1.2527E+00	
												Subtotal		4.6618E+01	1.2599E+00	
												Total Source [3.7503E+00 kg]		4.6618E+01	1.2599E+00	
4105/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9616.1589	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [8.5765E-08 kg]	1.87837E-01	6.6641E-02	1.8011E-03	AU
		168.0000	10.6000	0.0100	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [6.5494E-02 kg]	7.51348E-01	2.6656E-01	7.2043E-03	
												U-nat [1.3281E-01 kg]	9.83414E+00	3.4889E+00	9.4295E-02	
												Subtotal		3.8221E+00	1.0330E-01	
												Total Source [1.9830E-01 kg]		3.8221E+00	1.0330E-01	
4106/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9697.8055	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [7.4625E-08 kg]	1.62057E-01	5.7983E-02	1.5671E-03	AU
		169.0000	10.6900	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [5.6986E-02 kg]	6.48227E-01	2.3193E-01	6.2685E-03	
												U-nat [1.5368E-01 kg]	1.12833E+01	4.0371E+00	1.0911E-01	
												Subtotal		4.3270E+00	1.1695E-01	
												Total Source [2.1066E-01 kg]		4.3270E+00	1.1695E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-476

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4246/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10051.6076	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [2.8539E-07 kg]	5.97872E-01	2.2175E-01	5.9933E-03	AU
		175.0000	11.0800	0.0300	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [2.1794E-01 kg]	2.39149E+00	8.8700E-01	2.3973E-02	
												U-nat [2.3601E-01 kg]	1.67158E+01	6.1997E+00	1.6756E-01	
												Subtotal		7.3085E+00	1.9753E-01	
												Total Source [4.5394E-01 kg]		7.3085E+00	1.9753E-01	
4252/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9480.0812	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [8.0541E-08 kg]	1.78936E-01	6.2582E-02	1.6914E-03	AU
		165.0000	10.4500	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [6.1504E-02 kg]	7.15745E-01	2.5032E-01	6.7654E-03	
												U-nat [1.1282E-01 kg]	8.47466E+00	2.9639E+00	8.0105E-02	
												Subtotal		3.2768E+00	8.8562E-02	
												Total Source [1.7433E-01 kg]		3.2768E+00	8.8562E-02	
4253/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9738.6288	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [7.4645E-08 kg]	1.61418E-01	5.7998E-02	1.5675E-03	AU
		170.0000	10.7350	0.0300	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [5.7002E-02 kg]	6.45674E-01	2.3200E-01	6.2702E-03	
												U-nat [3.5195E-01 kg]	2.57319E+01	9.2456E+00	2.4988E-01	
												Subtotal		9.5356E+00	2.5772E-01	
												Total Source [4.0895E-01 kg]		9.5356E+00	2.5772E-01	
4255/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10314.6912	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [3.7298E-07 kg]	7.61348E-01	2.8980E-01	7.8325E-03	AU
		180.0000	11.3700	0.0300	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [2.8482E-01 kg]	3.04539E+00	1.1592E+00	3.1330E-02	
												U-nat [2.7512E-01 kg]	1.89872E+01	7.2272E+00	1.9533E-01	
												Subtotal		8.6762E+00	2.3449E-01	
												Total Source [5.5993E-01 kg]		8.6762E+00	2.3449E-01	
4256/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9230.6053	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [4.4164E-08 kg]	1.00780E-01	3.4315E-02	9.2744E-04	AU
		161.0000	10.1750	0.0300	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [3.3725E-02 kg]	4.03121E-01	1.3726E-01	3.7098E-03	
												U-nat [7.7542E-02 kg]	5.98251E+00	2.0370E+00	5.5055E-02	
												Subtotal		2.2086E+00	5.9692E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-476

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total		2.2086E+00	5.9692E-02	
												Source [1.1127E-01 kg]				
4264/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9883.7784	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [9.9179E-08 kg]	2.11312E-01	7.7064E-02	2.0828E-03	AU
		172.0000	10.8950	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [7.5737E-02 kg]	8.45248E-01	3.0825E-01	8.3311E-03	
												U-nat [2.7479E-01 kg]	1.97945E+01	7.2187E+00	1.9510E-01	
												Subtotal		7.6040E+00	2.0551E-01	
												Total		7.6040E+00	2.0551E-01	
												Source [3.5053E-01 kg]				
Shipment Totals		42.9282	86971.8068									Source [6.2182E+00 kg]		9.3377E+01	2.5237E+00	
		1516.0000	95.8700													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-476
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-476
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	9.3514E-01	2.5274E-02
Th-232	3.7406E+00	1.0110E-01
U-nat	8.8768E+01	2.3991E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A-
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-476
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5267

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*
DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-476

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65132

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE: 11/24/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6685E+01	1.2618E+00	NA	19750 LBS; 156 FT3	0067
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8221E+00	1.0330E-01	NA	21200 LBS; 168 FT3	4105
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3270E+00	1.1695E-01	NA	21380 LBS; 169 FT3	4106
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3085E+00	1.9753E-01	NA	22160 LBS; 175 FT3	4246
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2768E+00	8.8562E-02	NA	20900 LBS; 165 FT3	4252
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.5356E+00	2.5772E-01	NA	21470 LBS; 170 FT3	4253

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;URS27010-039: 120903 • 0680

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 2840-01-474,475,476,477,478

ruck Number- 36,38

railer Number- 225,226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-10-03

Attachment 5.15
RAILCAR INSPECTION FORM

Rail Car ~~Container~~ Number	Carrier	Shipment ~~Container~~ Number
MHFX 5267	LIRR	840-01-476

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaculo

Shipment Date 11/10/03

Averaging over a Gondola PCE Results			
Bagnum	Total		
0067	72.151		
4255	0.098		
4252	0.091		
4246	0.116		
4253	0.096		
4256	0.102		
4106	0.082		
4264	0.087		
4105	0.094		
Total	72.92		

MHFX -5267

0840-01-476

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5267
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4105	21200
	Liner		0
			Total:
			21200
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5267

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4264	21790
	Liner	4106	21380
			Total:
			43170
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Tinmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Shipper Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5267

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4252	20900
	Liner	4246	22160
			Total:
			43060
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/10/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MHFX 5267

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4253	21470
	Liner	4256	20350
			Total:
			41820
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5267
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	67	19750
	Liner	4255	22740
			Total:
			42490
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	203200	19750	22740	20900	22160	21470	20350	21790	21380	21200
	0840-01-476	Bag #	67	4255	4252	4246	4253	4256	4264	4106	4105
	Storage Loc.		avg o one								
5267		203200	183450	160710	139810	117650	96180	75830	54040	32660	11460

Daily Shipping checklist for Trucks and Packages

Date: 11/10/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	67		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4105		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4106		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4246		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4252		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4253		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4255		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4256		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4264		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

4/23/2003

Survey Number: GTEOSI-0391 Date: 5-7-03 Time: 1200

Waste Container Type: Super Sack Intermodal Other: N/A

Waste Container ID #: 0055 Storage Bin: 35 Gross Weight: 20880 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	190657		190631		190646		180299
Probe #	N/A		N/A		N/A		N/A
Calibration Due Date:	3-14-04		2-23-04		2-23-04		4-29-~~03~~ 04
	α	β	α	β	α	β	
Background	0 cpm	30 cpm	0 cpm	30 cpm	0 cpm	30 cpm	7 μR/hr
Efficiency	29 %	26 %	29 %	26 %	29 %	26 %	
MDA	25 dpm	150 dpm	25 dpm	150 dpm	25 dpm	150 dpm	

DAD 5-1403

Maximum Contact Dose Rate: 0.12 mrem/hr Transport Index: 0 mrem/hr

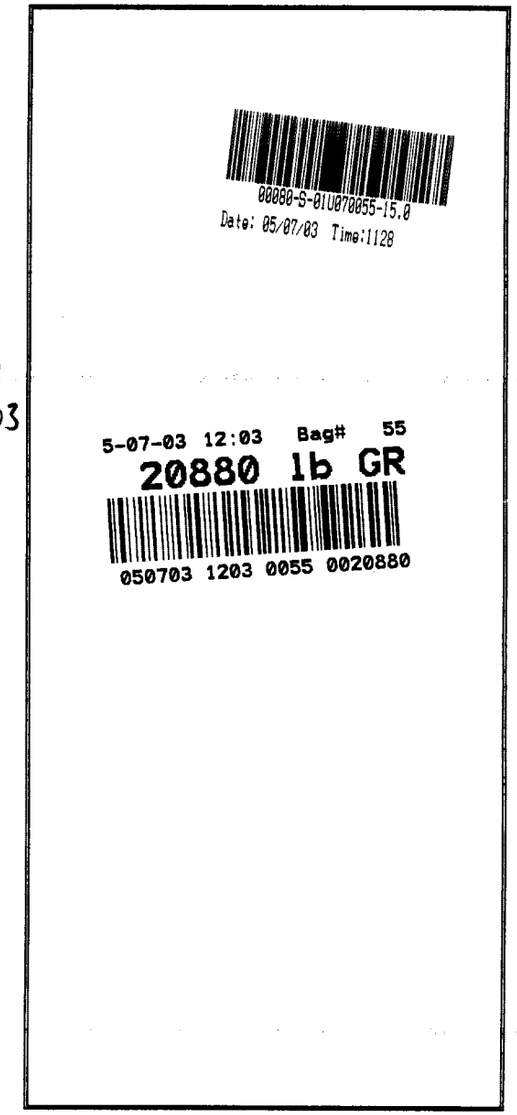
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	< MDA	38	< MDA
2	1		46	
3	1		26	
4	1		42	
5	0		39	
6	1		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DA Davis
Surveyor Name

DA Davis
Surveyor Signature

Supervisor Approval



NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTE05I 8869 Date: 10-30-03 Time: 1050

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4250 Storage Bin: 36 Gross Weight: 21980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	14	LMDA
2	0		23	
3	2		23	
4	3		22	
5	0		23	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06701-S-11Q214258-16.0

Date: 10/30/03 Time:0847

10-30-03 10:50 Bag# 4250

21980 lb GR

103003 1050 4250 0021980

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8870 Date: 10-30-03 Time: 1028

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4257 Storage Bin: 36 Gross Weight: 23250 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 103 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	26	<MDA
2	0		20	
3	7		44	
4	1		37	
5	5		29	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06710-S-11Q214257-16.0

Date: 10/30/03 Time:0956

10-30-03 10:28 Bag# 4257

23250 lb GR

103003 1028 4257 0023250

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8863 Date: 10-30-03 Time: 0956

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4265 Storage Bin: 34 Gross Weight: 19240 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

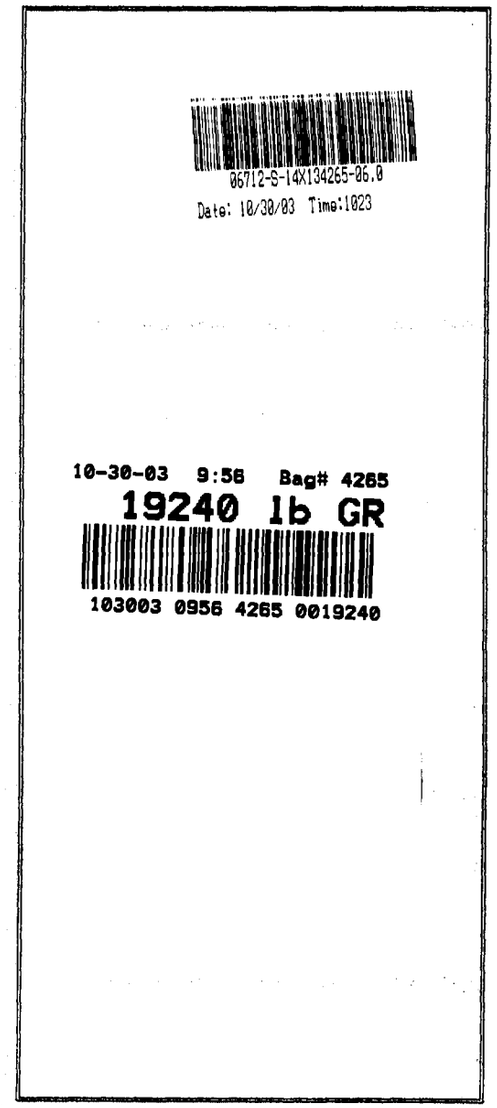
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	37	<MDA
2	1		32	
3	2		38	
4	4		23	
5	1		23	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval



NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8868 Date: 10-30-03 Time: 1022

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4267 Storage Bin: 35 Gross Weight: 22610 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	36	<MDA
2	~~0~~		28	
3	2		29	
4	~~0~~		17	
5	~~0~~		40	
6	~~0~~		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06717-S-110214267-16.0
Date: 10/30/03 Time:1035

10-30-03 10:22 Bag# 4267
22610 lb GR
103003 1022 4267 0022610

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8872 Date: 10-30-03 Time: 1035

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4268 Storage Bin: 36 Gross Weight: 21940 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

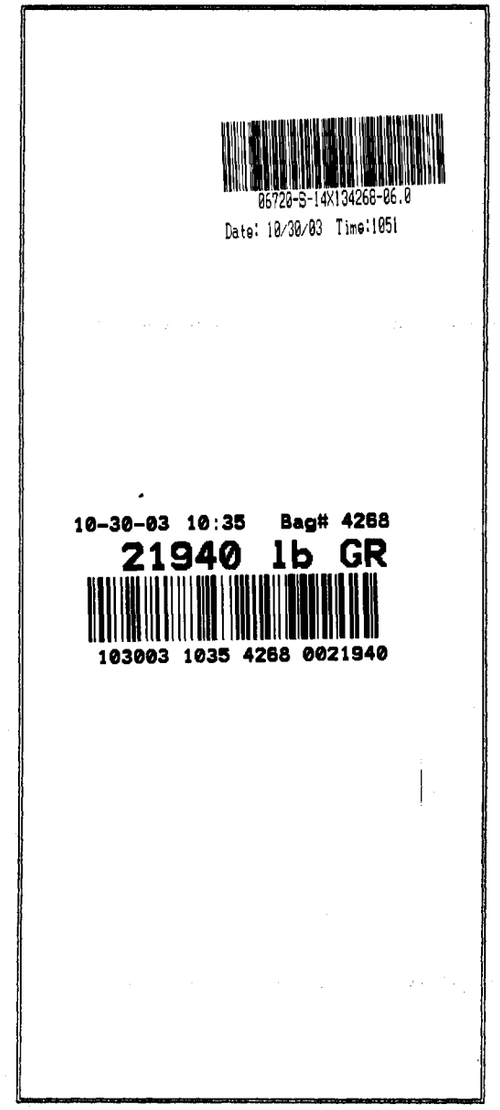
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	35	<MDA
2	1		33	
3	1		39	
4	0		19	
5	1		25	
6	1		38	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage — Surveyor Name

Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8871 Date: 10-30-03 Time: 1032

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4269 Storage Bin: 63 Gross Weight: 22650 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	24	<MDA
2	~~0~~		27	
3	4		34	
4	3		42	
5	~~0~~		21	
6	~~0~~		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06714-S-14X134269-06.0
Date: 10/30/03 Time:1028

10-30-03 10:32 Bag# 4269
22650 lb GR
103003 1032 4269 0022650

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8878 Date: 10-30-03 Time: 1100

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4270 Storage Bin: 38 Gross Weight: 23880 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	34	<MDA
2	2		22	
3	6		50	
4	2		38	
5	0		25	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage — Surveyor Name

Surveyor Signature

Supervisor Approval

06718-S-11P214270-06.0

Date: 10/30/03 Time:1046

10-30-03 11:00 Bag# 4270

23880 lb GR

103003 1100 4270 0023880

Shipment Survey

Survey Number: GTEOSI 8875 Date: 10-30-03 Time: 1048

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4271 Storage Bin: 37 Gross Weight: 22460 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	36	<MDA
2	2		20	
3	0		42	
4	2		36	
5	0		20	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

NYSDEC:V00089-1; URS27010-039

06719-S-11P214271-06.0

Date: 10/30/03 Time:1048

10-30-03 10:45 Bag# 4271

22460 lb GR

103003 1045 4271 0022460

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-477

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MRMX-1048

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/10/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Cemeto

DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-477

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0893E+02	5.6468E+00	NA	20880 LBS; 165 FT3	0055
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2349E+01	3.3374E-01	NA	21980 LBS; 174 FT3	4250
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5967E+00	1.7829E-01	NA	23250 LBS; 184 FT3	4257
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8118E+00	7.5994E-02	NA	19240 LBS; 152 FT3	4265
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1620E+01	3.1405E-01	NA	22610 LBS; 179 FT3	4267
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0442E+01	5.5249E-01	NA	21940 LBS; 173 FT3	4268

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-477

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3117E+01	3.5450E-01	NA	22650 LBS; 179 FT3	4269
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6514E+00	1.2571E-01	NA	23880 LBS; 189 FT3	4270
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5408E+00	2.0380E-01	NA	22460 LBS; 178 FT3	4271

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3	44.5424	kg	89888.4060	NP	NP	NP	NP
	ft3	1573.0000	ton	99.0850				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	2.8799E+02	NP	NP	NP	NP	(kg)	2.0872E+01
mCi	7.7836E+00	NP	NP	NP	NP	(tons)	2.3007E-02

2. MANIFEST NUMBER
0840-01-477

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME
GTEOSI

SHIPMENT ID NUMBER
0840-01-477

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
0055/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9471.0093	0.0012	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [8.6603E-08 kg]	1.92589E-01	(6.7292E-02)	(1.8187E-03)	AU
		165.0000	10.4400	0.1200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [6.6133E-02 kg]	7.70355E-01	2.6916E-01	7.2746E-03	
												U-nat [1.6581E+01 kg]	2.98504E+02	2.0859E+02	5.6377E+00	
												Subtotal		2.0886E+02	5.6450E+00	
												Total Source [1.6647E+01 kg]		2.0886E+02	5.6450E+00	
4250/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9969.9610	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [5.5640E-07 kg]	1.17518E+00	4.3231E-01	1.1684E-02	AU
		174.0000	10.9900	0.0200	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [4.2488E-01 kg]	4.70071E+00	1.7293E+00	4.6737E-02	
												U-nat [3.8778E-01 kg]	2.76913E+01	1.0187E+01	2.7532E-01	
												Subtotal		1.2349E+01	3.3374E-01	
												Total Source [8.1266E-01 kg]		1.2349E+01	3.3374E-01	
4257/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10546.0233	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [2.6733E-07 kg]	5.33688E-01	2.0772E-01	5.6140E-03	AU
		184.0000	11.6250	0.0300	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [2.0414E-01 kg]	2.13475E+00	8.3087E-01	2.2456E-02	
												U-nat [2.1158E-01 kg]	1.42808E+01	5.5581E+00	1.5022E-01	
												Subtotal		6.5967E+00	1.7829E-01	
												Total Source [4.1573E-01 kg]		6.5967E+00	1.7829E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-477

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4265/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8727.1178	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [3.9454E-08 kg]	9.52482E-02	3.0656E-02	8.2853E-04	AU
		152.0000	9.6200	0.0200	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [3.0128E-02 kg]	3.80993E-01	1.2262E-01	3.3141E-03	
												U-nat [1.0120E-01 kg]	8.25999E+00	2.6585E+00	7.1851E-02	
												Subtotal		2.8118E+00	7.5994E-02	
												Total Source [1.3133E-01 kg]		2.8118E+00	7.5994E-02	
4267/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10255.7242	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [1.7037E-07 kg]	3.49787E-01	1.3238E-01	3.5778E-03	AU
		179.0000	11.3050	0.0200	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [1.3010E-01 kg]	1.39915E+00	5.2951E-01	1.4311E-02	
												U-nat [4.1712E-01 kg]	2.89539E+01	1.0958E+01	2.9616E-01	
												Subtotal		1.1620E+01	3.1405E-01	
												Total Source [5.4723E-01 kg]		1.1620E+01	3.1405E-01	
4268/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9951.8173	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [1.6465E-07 kg]	3.48404E-01	1.2793E-01	3.4577E-03	AU
		173.0000	10.9700	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [1.2574E-01 kg]	1.39362E+00	5.1175E-01	1.3831E-02	
												U-nat [7.5381E-01 kg]	5.39278E+01	1.9802E+01	5.3520E-01	
												Subtotal		2.0442E+01	5.5249E-01	
												Total Source [8.7954E-01 kg]		2.0442E+01	5.5249E-01	
4269/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10273.8679	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [1.5851E-07 kg]	3.24858E-01	1.2317E-01	3.3288E-03	AU
		179.0000	11.3250	0.0300	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [1.2105E-01 kg]	1.29943E+00	4.9266E-01	1.3315E-02	
												U-nat [4.7586E-01 kg]	3.29725E+01	1.2501E+01	3.3786E-01	
												Subtotal		1.3117E+01	3.5450E-01	
												Total Source [5.9691E-01 kg]		1.3117E+01	3.5450E-01	
4270/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3519	10831.7865	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3519	100	OXIDES/NONE	0.00	Th-230 [1.8793E-07 kg]	3.65248E-01	1.4602E-01	3.9466E-03	AU
		189.0000	11.9400	0.0200	<2.2000E+02	<2.2000E+03		189.0000				Th-232 [1.4351E-01 kg]	1.46099E+00	5.8408E-01	1.5786E-02	
												U-nat [1.4926E-01 kg]	9.80781E+00	3.9213E+00	1.0598E-01	
												Subtotal		4.6514E+00	1.2571E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-477

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.9277E-01 kg]		4.6514E+00	1.2571E-01	
4271/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10187.6853	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [4.2413E-07 kg]	8.76596E-01	3.2955E-01	8.9067E-03	AU
												Th-232 [3.2388E-01 kg]	3.50638E+00	1.3182E+00	3.5627E-02	
												U-nat [2.2432E-01 kg]	1.56750E+01	5.8930E+00	1.5927E-01	
		178.0000	11.2300	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Subtotal		7.5408E+00	2.0380E-01	
												Total Source [5.4820E-01 kg]		7.5408E+00	2.0380E-01	
Shipment Totals		44.5424	90214.9926									Source [2.0872E+01 kg]		2.8799E+02	7.7836E+00	
		1573.0000	99.4450													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-477
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-477
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.5970E+00	4.3163E-02
Th-232	6.3881E+00	1.7265E-01
U-nat	2.8007E+02	7.5695E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A-
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-477
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-1048

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [illegible] DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-477

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65134

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [illegible] DATE: 11/24/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [illegible] TITLE: Gate GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0893E+02	5.6468E+00	NA	20880 LBS; 165 FT3	0055
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2349E+01	3.3374E-01	NA	21980 LBS; 174 FT3	4250
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5967E+00	1.7829E-01	NA	23250 LBS; 184 FT3	4257
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8118E+00	7.5994E-02	NA	19240 LBS; 152 FT3	4265
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1620E+01	3.1405E-01	NA	22610 LBS; 179 FT3	4267
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0442E+01	5.5249E-01	NA	21940 LBS; 173 FT3	4268

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 2840-01-474,475,476,477,478

ruck Number- 36,38

railer Number- 225,226

, qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-10-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-477	LIRR	MRMX 1048

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaculo

Shipment Date 11/10/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 1048
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4271	22460
	Liner	4250	21980
			Total:
			44440
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	1048

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4268	21940
	Liner	4257	23250
			Total:
			45190
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport	G. Amato		11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 1048
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4270	23880
	Liner	4269	22650
			Total:
			46530
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 1048
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4267	22610
	Liner	4265	19240
			Total:
			41850
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX 1048
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	55	20880
	Liner		0
			Total:
			20880
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MRMX	Shipment #	203600	20880	22610	19240	23880	22650	21940	23250	22460	21980
	0840-01-477	Bag #	55	4267	4265	4270	4269	4268	4257	4271	4250
	Storage Loc.		avg o one								
1048		203600	182720	160110	140870	116990	94340	72400	49150	26690	4710

Averaging over a Gondola PCE Results			
Bagnum	Total		
0055	116.485		
4267	0.172		
4265	0.08		
4270	0.086		
4269	0.079		
4268	0.081		
4257	0.087		
4271	0.09		
4250	0.096		
Total	117.26		

MRMX - 1048

0840 - 01 - 477

Daily Shipping checklist for Trucks and Packages

Date: 11/10/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	55		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4250		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4257		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4265		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4267		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4268		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4269		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4270		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4271		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOST 7010 Date: 9-17-03 Time: 1638

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 3046 Storage Bin: 63 Gross Weight: 21680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	21	LMDA
2	1		28	
3	~~0~~		18	
4	~~0~~		40	
5	~~0~~		27	
6	1		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeClair — Surveyor Name

Surveyor Signature

Supervisor Approval

04761-S-04W183046-20.0

Date: 09/17/03 Time:1632

9-17-03 16:27 Bag# 3046

21680 lb GR

091703 1627 3046 0021680

Shipment Survey

Survey Number: GTEOSI 8873 Date: 10-30-03 Time: 1038

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4258 Storage Bin: 37 Gross Weight: 23140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	29	<MDA
2	1		30	
3	4		46	
4	0		22	
5	1		32	
6	1		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage — Surveyor Name

Debra LaPage — Surveyor Signature

Supervisor Approval

06711-S-11Q214258-16.0
Date: 10/30/03 Time:0958

10-30-03 10:38 Bag# 4258
23140 lb GR
103003 1038 4258 0023140

Shipment Survey

Survey Number: GTEOSI 8864 Date: 10-30-03 Time: 1003

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4266 Storage Bin: 34 Gross Weight: 20670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	29	<MDA
2	~~0~~		27	
3	2		28	
4	2		34	
5	1		36	
6	~~0~~		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra L. Page — Debra L. Page

Surveyor Name — Surveyor Signature

Supervisor Approval

86713-S-14X134266-06.0
Date: 10/30/03 Time:1026

10-30-03 10:03 Bag# 4266
20670 lb GR
103003 1003 4266 0020670

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8879 Date: 10-30-03 Time: 1103

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4274 Storage Bin: 38 Gross Weight: 22570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	27	<MDA
2	~~0~~		30	
3	2		25	
4	~~0~~		35	
5	1		27	
6	2		40	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06722-S-11P214274-06.0

Date: 10/30/03 Time:1106

10-30-03 11:03 Bag# 4274

22570 lb GR

103003 1103 4274 0022570

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8885 Date: 10-30-03 Time: 1137

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4280 Storage Bin: 40 Gross Weight: 22770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

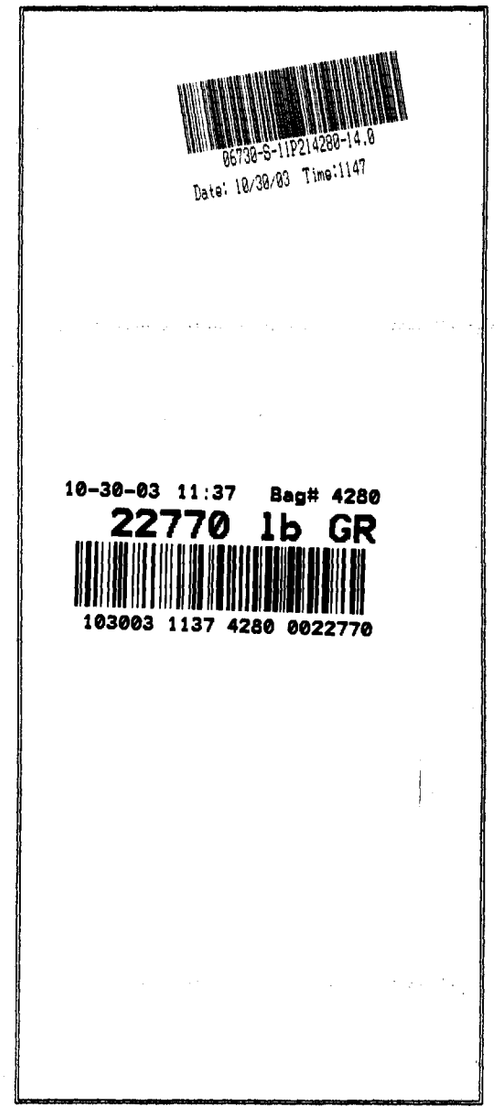
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	1		20	
3	4		34	
4	2		29	
5	0		29	
6	1		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8880 Date: 10-30-03 Time: 1112

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4282 Storage Bin: 38 Gross Weight: 23700 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	20	LMDA
2	3		32	
3	1		24	
4	3		36	
5	1		25	
6	1		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DebRA LaPage — Debra LaPage

Surveyor Name Surveyor Signature

Supervisor Approval

06725-S-14X134292-06.0

Date: 10/30/03 Time:1120

10-30-03 11:12 Bag# 4282

23700 lb GR

103003 1112 4282 0023700

Shipment Survey

Survey Number: GTEOSI 8887 Date: 10-30-03 Time: 1248

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4285 Storage Bin: 40 Gross Weight: 21900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	27	<MDA
2	2		31	
3	3		29	
4	0		29	
5	3		25	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra L. Sage
Surveyor Name

Surveyor Signature

Supervisor Approval

06734-S-11P214285-14.0
Date: 10/30/03 Time:1255

10-30-03 12:48 Bag# 4285
21900 lb GR
103003 1248 4285 0021900

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8920 Date: 10-31-03 Time: 1510

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4316 Storage Bin: 48 Gross Weight: 22630 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	20	<MDA
2	Ø		23	
3	1		20	
4	Ø		24	
5	Ø		37	
6	1		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] on behalf of R Hepping
Supervisor Approval

06836-S-11P214316-12.0
Date: 10/31/03 Time:1544

10-31-03 15:10 Bag# 4316
22630 lb GR
103103 1510 4316 0022630

Shipment Survey

Survey Number: GTEOSI 8922 Date: 10-31-03 Time: 1527

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4326 Storage Bin: 49 Gross Weight: 21770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 103 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	26	<MDA
2	1		25	
3	0		18	
4	2		32	
5	0		27	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Debra LePage — Surveyor Signature

[illegible] on behalf of R Hoppaway — Supervisor Approval

06838-S-11P214326-12.0
Date: 10/31/03 Time:1549

10-31-03 15:27 Bag# 4326
21770 lb GR
103103 1527 4326 0021770

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantlague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-478
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5251

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/10/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-478

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2494E+01	3.3768E-01	NA	21680 LBS; 171 FT3	3046
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.8264E+00	2.6558E-01	NA	23140 LBS; 183 FT3	4258
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5740E+00	1.2362E-01	NA	20670 LBS; 163 FT3	4266
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.7235E+00	2.3577E-01	NA	22570 LBS; 178 FT3	4274
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9064E+00	1.3261E-01	NA	22770 LBS; 180 FT3	4280
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1252E+01	3.0410E-01	NA	23700 LBS; 187 FT3	4282

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-478

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0588E+00	2.4483E-01	NA	21900 LBS; 173 FT3	4285
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5572E+00	1.7722E-01	NA	22630 LBS; 179 FT3	4316
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4962E+00	9.4492E-02	NA	21770 LBS; 172 FT3	4326

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 44.9105 / ft3 1586.0000	kg 90768.3752 / ton 100.0550	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.0889E+01	NP	NP	NP	NP	(kg)	4.1712E+00
mCi	1.9159E+00	NP	NP	NP	NP	(tons)	4.5980E-03

2. MANIFEST NUMBER 0840-01-478

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-478

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3046/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9833.8832	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.1131E-07 kg]	2.38369E-01	8.6488E-02	2.3375E-03	AU
		171.0000	10.8400	0.0100	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [8.5001E-02 kg]	9.53475E-01	3.4596E-01	9.3502E-03	
												U-nat [9.5879E-01 kg]	1.66212E+01	1.2062E+01	3.2599E-01	
												Subtotal		1.2494E+01	3.3768E-01	
												Total Source [1.0438E+00 kg]		1.2494E+01	3.3768E-01	
4258/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10496.1281	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [3.1627E-07 kg]	6.34397E-01	2.4574E-01	6.6417E-03	AU
		183.0000	11.5700	0.0200	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [2.4152E-01 kg]	2.53759E+00	9.8298E-01	2.6567E-02	
												U-nat [3.2728E-01 kg]	2.21956E+01	8.5977E+00	2.3237E-01	
												Subtotal		9.8264E+00	2.6558E-01	
												Total Source [5.6880E-01 kg]		9.8264E+00	2.6558E-01	
4266/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9375.7549	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [6.0299E-08 kg]	1.35461E-01	4.6853E-02	1.2663E-03	AU
		163.0000	10.3350	0.0300	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [4.6046E-02 kg]	5.41844E-01	1.8741E-01	5.0651E-03	
												U-nat [1.6520E-01 kg]	1.25477E+01	4.3397E+00	1.1729E-01	
												Subtotal		4.5740E+00	1.2362E-01	
												Total Source [2.1125E-01 kg]		4.5740E+00	1.2362E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-478

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4274/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10237.5805	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [4.3190E-07 kg]	8.88298E-01	3.3559E-01	9.0699E-03	AU
		178.0000	11.2850	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [3.2982E-01 kg]	3.55319E+00	1.3424E+00	3.6280E-02	
												U-nat [2.6819E-01 kg]	1.86492E+01	7.0455E+00	1.9042E-01	
												Subtotal		8.7235E+00	2.3577E-01	
												Total Source [5.9801E-01 kg]		8.7235E+00	2.3577E-01	
4280/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10328.2989	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [1.4845E-07 kg]	3.02624E-01	1.1534E-01	3.1174E-03	AU
		180.0000	11.3850	0.0300	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [1.1336E-01 kg]	1.21050E+00	4.6139E-01	1.2470E-02	
												U-nat [1.6481E-01 kg]	1.13594E+01	4.3297E+00	1.1702E-01	
												Subtotal		4.9064E+00	1.3261E-01	
												Total Source [2.7817E-01 kg]		4.9064E+00	1.3261E-01	
4282/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2953	10750.1399	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2953	100	OXIDES/NONE	0.00	Th-230 [7.6379E-08 kg]	1.49574E-01	5.9348E-02	1.6040E-03	AU
		187.0000	11.8500	0.0200	<2.2000E+02	<2.2000E+03		187.0000				Th-232 [5.8326E-02 kg]	5.98298E-01	2.3738E-01	6.4158E-03	
												U-nat [4.1701E-01 kg]	2.76103E+01	1.0955E+01	2.9608E-01	
												Subtotal		1.1252E+01	3.0410E-01	
												Total Source [4.7534E-01 kg]		1.1252E+01	3.0410E-01	
4285/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9933.6736	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [1.6507E-07 kg]	3.49929E-01	1.2826E-01	3.4665E-03	AU
		173.0000	10.9500	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [1.2605E-01 kg]	1.39972E+00	5.1304E-01	1.3866E-02	
												U-nat [3.2043E-01 kg]	2.29657E+01	8.4175E+00	2.2750E-01	
												Subtotal		9.0588E+00	2.4483E-01	
												Total Source [4.4648E-01 kg]		9.0588E+00	2.4483E-01	
4316/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10264.7960	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [1.9051E-07 kg]	3.90780E-01	1.4803E-01	4.0007E-03	AU
		179.0000	11.3150	0.0200	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [1.4548E-01 kg]	1.56312E+00	5.9211E-01	1.6003E-02	
												U-nat [2.2143E-01 kg]	1.53567E+01	5.8171E+00	1.5722E-01	
												Subtotal		6.5572E+00	1.7722E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-478

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.6691E-01 kg]		6.5572E+00	1.7722E-01	
4326/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705 172.0000	9874.7065 10.8850	0.0003 0.0300	<3.6740E-06 <2.2000E+02	<3.6740E-05 <2.2000E+03	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705 172.0000	100	OXIDES/NONE	0.00	Th-230 [8.0165E-08 kg] Th-232 [6.1217E-02 kg] U-nat [1.2123E-01 kg] Subtotal	1.70957E-01 6.83830E-01 8.74100E+00	6.2290E-02 2.4915E-01 3.1848E+00 3.4962E+00	1.6835E-03 6.7339E-03 8.6075E-02 9.4492E-02	AU
												Total Source [1.8245E-01 kg]		3.4962E+00	9.4492E-02	
Shipment Totals		44.9105 1586.0000	91094.9616 100.4150									Source [4.1712E+00 kg]		7.0889E+01	1.9159E+00	

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-478
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-478
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.2279E+00	3.3187E-02
Th-232	4.9117E+00	1.3275E-01
U-nat	6.4749E+01	1.7500E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A-
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-478
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-5251

☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/10/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature] DATE: 11/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-478

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L05136

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature] DATE: 11/24/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker CTCII DATE: 11/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2494E+01	3.3768E-01	NA	21680 LBS; 171 FT3	3046
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.8264E+00	2.6558E-01	NA	23140 LBS; 183 FT3	4258
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5740E+00	1.2362E-01	NA	20670 LBS; 163 FT3	4266
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.7235E+00	2.3577E-01	NA	22570 LBS; 178 FT3	4274
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9064E+00	1.3261E-01	NA	22770 LBS; 180 FT3	4280
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1252E+01	3.0410E-01	NA	23700 LBS; 187 FT3	4282

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

hipment Number- 2840-01-474,475,476,477,478

ruck Number- 36,38

railer Number- 225,226

, qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the orresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-10-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-478	CIRR	MHFX 5251

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaculo

Shipment Date 11/10/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5251
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4266	20670
	Liner		0
			Total:
			20670
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/10/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MHFX 5251

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4285	21900
	Liner	3046	21680
			Total:
			43580
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5251

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4316	22630
	Liner	4280	22770
			Total:
			45400
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX 5251
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4274	22570
	Liner	4326	21770
			Total:
			44340
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5251

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4282	23700
	Liner	4258	23140
			Total:
			46840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/10/2003
Transporter	Signature		Date
Priority Transport			11/10/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	201500	23700	23140	22570	21770	22630	22770	21900	21680	20670
	0840-01-478	Bag #	4282	4258	4274	4326	4316	4280	4285	3046	4266
	Storage Loc.									avg o one	
5251		201500	177800	154660	132090	110320	87690	64920	43020	21340	670

Daily Shipping checklist for Trucks and Packages

Date: 11/10/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3046		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4258		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4266		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4274		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4280		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4282		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4285		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4316		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4326		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Averaging over a Gondola PCE Results			
Bagnum	Total		
3046	63.056		
4282	0.101		
4258	0.09		
4274	0.124		
4326	0.158		
4316	0.1		
4280	0.111		
4285	0.116		
4266	0.082		
Total	63.94		

MHFX-5251

0840-01-478

Shipment Survey

Survey Number: GTEOSI- 7036 Date: 9-18-03 Time: 1343

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 3073 Storage Bin: 37 Gross Weight: 23680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	31	<MDA
2	0		24	
3	0		24	
4	1		20	
5	0		36	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LPage

Surveyor Name Surveyor Signature

Supervisor Approval

04796-S-04V163073-12.0

Date: 09/18/03 Time:1406

9-18-03 13:33 Bag# 3073

23680 lb GR

091803 1333 3073 0023680

Shipment Survey

Survey Number: GTEOSI 8712 Date: 10-23-03 Time: 1250

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4107 Storage Bin: 100 AISLE Gross Weight: 21070 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	34	<MDA
2	0		23	
3	1		28	
4	1		18	
5	1		33	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06505-S-14X144107-06.0
Date: 10/23/03 Time:1254

10-23-03 12:50 Bag# 4107
21070 lb GR
102303 1250 4107 0021070

Shipment Survey

Survey Number: GTEOSI 8715 Date: 10-23-03 Time: 1330

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4112 Storage Bin: LOO AISLE Gross Weight: 18170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	34	<MDA
2	1		42	
3	~~0~~		29	
4	~~0~~		21	
5	1		23	
6	1		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page
Surveyor Name — Surveyor Signature

Supervisor Approval

06510-S-14Y144112-06.0
Date: 10/23/03 Time:1322

10-23-03 13:30 Bag# 4112
18170 lb GR
102303 1330 4112 0018170

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8881 Date: 10-30-03 Time: 1119

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4275 Storage Bin: 39 Gross Weight: 22140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	< MDA	33	< MDA
2	3		29	
3	0		25	
4	1		41	
5	2		31	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage — Debra LaPage

Surveyor Name — Surveyor Signature

Supervisor Approval

06726-S-11P214275-10.0

Date: 10/30/03 Time:1121

10-30-03 11:19 Bag# 4275

22140 lb GR

103003 1119 4275 0022140

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8882 Date: 10-30-03 Time: 1123

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4277 Storage Bin: 39 Gross Weight: 23350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	39	<MDA
2	1		22	
3	2		37	
4	3		17	
5	0		25	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage — Debra LeFage

Surveyor Name — Surveyor Signature

Supervisor Approval

06727-S-11P214277-14.0

Date: 10/30/03 Time:1124

10-30-03 11:23 Bag# 4277

23350 lb GR

103003 1123 4277 0023350

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8883 Date: 10-30-03 Time: 1127

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4278 Storage Bin: 39 Gross Weight: 22340 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	28	<MDA
2	0		29	
3	3		36	
4	2		29	
5	0		29	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

06729-S-1!P214278-14.0

Date: 10/30/03 Time:1145

10-30-03 11:27 Bag# 4278

22340 lb GR

103003 1127 4278 0022340

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8891 Date: 10-30-03 Time: 1323

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4281 Storage Bin: 41 Gross Weight: 20820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	27	<MDA
2	1		18	
3	1		39	
4	1		22	
5	4		30	
6	1		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

06735-S-14X134281-06.0
Date: 10/30/03 Time:1258

10-30-03 13:23 Bag# 4281
20820 lb GR
103003 1323 4281 0020820

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8892 Date: 10-30-03 Time: 1327

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4286 Storage Bin: 41 Gross Weight: 23000 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	27	<MDA
2	5		27	
3	0		22	
4	3		34	
5	0		28	
6	0		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBlanc — Surveyor Name

Surveyor Signature

Supervisor Approval

06736-S-14X134286-06.0
Date: 10/30/03 Time:1306

10-30-03 13:27 Bag# 4286
23000 lb GR
103003 1327 4286 0023000

Shipment Survey

Survey Number: GTEOSI 8893 Date: 10-30-03 Time: 1334

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4288 Storage Bin: 42 Gross Weight: 20760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	27	<MDA
2	~~0~~		16	
3	~~0~~		24	
4	1		25	
5	3		27	
6	~~0~~		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06738-S-11P214288-14.0
Date: 10/30/03 Time:1316

10-30-03 13:34 Bag# 4288
20760 lb GR
103003 1334 4288 0020760

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantlague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-479
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101428

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Renato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-479

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0173E+00	1.8966E-01	NA	23680 LBS; 187 FT3	3073
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0189E+01	2.7537E-01	NA	21070 LBS; 167 FT3	4107
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0871E+00	8.3436E-02	NA	18170 LBS; 144 FT3	4112
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2906E+00	1.4299E-01	NA	22140 LBS; 175 FT3	4275
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4510E+00	1.4732E-01	NA	23350 LBS; 185 FT3	4277
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9574E+00	1.3398E-01	NA	22340 LBS; 177 FT3	4278

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-479

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8307E+00	1.8461E-01	NA	20820 LBS; 165 FT3	4281
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3501E+01	3.6489E-01	NA	23000 LBS; 182 FT3	4286
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6366E+01	7.1260E-01	NA	20760 LBS; 164 FT3	4288

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.7779 ft3 1546.0000	kg 88273.6168 ton 97.3050	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.9790E+01	NP	NP	NP	NP	(kg)	4.0555E+00
mCi	2.1565E+00	NP	NP	NP	NP	(tons)	4.4704E-03

2. MANIFEST NUMBER 0840-01-479

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-479

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3073/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2953	10741.0680	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2953	100	OXIDES/NONE	0.00	Th-230 [5.9687E-08 kg]	1.16986E-01	4.6376E-02	1.2534E-03	AU
		187.0000	11.8400	0.0100	<2.2000E+02	<2.2000E+03		187.0000				Th-232 [4.5579E-02 kg]	4.67943E-01	1.8551E-01	5.0137E-03	
												U-nat [5.3939E-01 kg]	8.55821E+00	6.7854E+00	1.8339E-01	
												Subtotal		7.0173E+00	1.8966E-01	
												Total Source [5.8497E-01 kg]		7.0173E+00	1.8966E-01	
4107/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9557.1919	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.0390E-07 kg]	2.28972E-01	8.0734E-02	2.1820E-03	AU
		167.0000	10.5350	0.0100	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [7.9345E-02 kg]	9.15887E-01	3.2293E-01	8.7279E-03	
												U-nat [3.7247E-01 kg]	2.77513E+01	9.7850E+00	2.6446E-01	
												Subtotal		1.0189E+01	2.7537E-01	
												Total Source [4.5182E-01 kg]		1.0189E+01	2.7537E-01	
4112/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0776	8241.7739	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0776	100	OXIDES/NONE	0.00	Th-230 [4.8193E-08 kg]	1.23227E-01	3.7448E-02	1.0121E-03	AU
		144.0000	9.0850	0.0100	<2.2000E+02	<2.2000E+03		144.0000				Th-232 [3.6802E-02 kg]	4.92908E-01	1.4978E-01	4.0482E-03	
												U-nat [1.1039E-01 kg]	9.54305E+00	(2.8999E+00)	(7.8376E-02)	
												Subtotal		1.8723E-01	5.0603E-03	
												Total Source [1.4719E-01 kg]		1.8723E-01	5.0603E-03	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-479

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4275/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10042.5357	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.7369E-07 kg]	3.64184E-01	1.3495E-01	3.6474E-03	AU
		175.0000	11.0700	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.3263E-01 kg]	1.45674E+00	5.3983E-01	1.4590E-02	
												U-nat [1.7570E-01 kg]	1.24559E+01	4.6158E+00	1.2475E-01	
												Subtotal		5.2906E+00	1.4299E-01	
												Total Source [3.0834E-01 kg]		5.2906E+00	1.4299E-01	
4277/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2386	10591.3825	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2386	100	OXIDES/NONE	0.00	Th-230 [1.4880E-07 kg]	2.95780E-01	1.1562E-01	3.1248E-03	AU
		185.0000	11.6750	0.0200	<2.2000E+02	<2.2000E+03		185.0000				Th-232 [1.1363E-01 kg]	1.18312E+00	4.6246E-01	1.2499E-02	
												U-nat [1.8549E-01 kg]	1.24658E+01	4.8729E+00	1.3170E-01	
												Subtotal		5.4510E+00	1.4732E-01	
												Total Source [2.9912E-01 kg]		5.4510E+00	1.4732E-01	
4278/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10133.2542	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [2.4096E-07 kg]	5.00709E-01	1.8723E-01	5.0602E-03	AU
		177.0000	11.1700	0.0200	<2.2000E+02	<2.2000E+03		177.0000				Th-232 [1.8401E-01 kg]	2.00284E+00	7.4892E-01	2.0241E-02	
												U-nat [1.5307E-01 kg]	1.07541E+01	4.0212E+00	1.0868E-01	
												Subtotal		4.9574E+00	1.3398E-01	
												Total Source [3.3708E-01 kg]		4.9574E+00	1.3398E-01	
4281/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9443.7938	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [6.8036E-08 kg]	1.51738E-01	5.2866E-02	1.4288E-03	AU
		165.0000	10.4100	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [5.1955E-02 kg]	6.06950E-01	2.1146E-01	5.7150E-03	
												U-nat [2.4995E-01 kg]	1.88474E+01	6.5664E+00	1.7747E-01	
												Subtotal		6.8307E+00	1.8461E-01	
												Total Source [3.0191E-01 kg]		6.8307E+00	1.8461E-01	
4286/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10432.6252	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [7.8526E-08 kg]	1.58475E-01	6.1013E-02	1.6490E-03	AU
		182.0000	11.5000	0.0200	<2.2000E+02	<2.2000E+03		182.0000				Th-232 [5.9965E-02 kg]	6.33901E-01	2.4406E-01	6.5962E-03	
												U-nat [5.0231E-01 kg]	3.42736E+01	1.3196E+01	3.5664E-01	
												Subtotal		1.3501E+01	3.6489E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-479

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.6228E-01 kg]		1.3501E+01	3.6489E-01	
4288/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9416.5782	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [9.6075E-08 kg]	2.14894E-01	7.4651E-02	2.0176E-03	AU
		164.0000	10.3800	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [7.3366E-02 kg]	8.59574E-01	2.9860E-01	8.0703E-03	
												U-nat [9.8945E-01 kg]	7.48245E+01	2.5993E+01	7.0251E-01	
												Subtotal		2.6366E+01	7.1260E-01	
												Total Source [1.0628E+00 kg]		2.6366E+01	7.1260E-01	
Shipment Totals		43.7779	88600.2034									Source [4.0555E+00 kg]		7.9790E+01	2.1565E+00	
		1546.0000	97.6650													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-479
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-479
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.9088E-01	2.1375E-02
Th-232	3.1635E+00	8.5501E-02
U-nat	7.8735E+01	2.1280E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/8/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-479

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: JTSX-101428

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/11/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Renato

DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-479

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*: 165209

DATE: 11-26-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Sales GTEOSI DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0173E+00	1.8966E-01	NA	23680 LBS; 187 FT3	3073
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0189E+01	2.7537E-01	NA	21070 LBS; 167 FT3	4107
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0871E+00	8.3436E-02	NA	18170 LBS; 144 FT3	4112
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2906E+00	1.4299E-01	NA	22140 LBS; 175 FT3	4275
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4510E+00	1.4732E-01	NA	23350 LBS; 185 FT3	4277
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9574E+00	1.3398E-01	NA	22340 LBS; 177 FT3	4278

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-479	LIRR	STSX 101428

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Bruce Ormacle

Shipment Date 11/11/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # JTSX 101428

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4112	18170
	Liner	4107	21070
			Total:
			39240
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101428

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4277	23350
	Liner	4278	22340
			Total:
			45690
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # JTSX 101428

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4288	20760
	Liner	3073	23680
			Total:
			44440
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101428

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4281	20820
	Liner	4275	22140
			Total:
			42960
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101428

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4286	23000
	Liner		0
			Total:
			23000
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Averaging over a Gondola PCE Results			
Bagnum	Total		
3073	77.12		
4286	0.091		
4281	0.098		
4275	0.114		
4277	0.115		
4278	0.104		
4112	0.1		
4107	0.091		
4288	0.183		
Total	78.02		

JTSX-101428
0840-01-479

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200900	23000	20820	22140	23350	22340	18170	21070	20760	23680
	0840-01-479	Bag #	4286	4281	4275	4277	4278	4112	4107	4288	3073
	Storage Loc.										avg o one
101428	11/11/2003	200900	177900	157080	134940	111590	89250	71080	50010	29250	5570

Daily Shipping checklist for Trucks and Packages

Date: 11/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3073		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4107		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4112		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4275		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4277		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4278		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4281		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4286		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4288		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOST 7182 Date: 9-24-03 Time: 1328

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3212 Storage Bin: 36 Gross Weight: 19920 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	27	<MDA
2	~~0~~		18	
3	~~0~~		41	
4	~~0~~		27	
5	~~0~~		18	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

05057-S-04W163212-18.0
Date: 09/24/03 Time:1329

9-24-03 13:20 Bag# 3212
19920 lb GR
092403 1320 3212 0019920

Shipment Survey

Survey Number: GTEOSI 8898 Date: 10-30-03 Time: 1536

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4292 Storage Bin: 43 Gross Weight: 19870 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Θ	<MDA	24	<MDA
2	Θ		18	
3	Θ		30	
4	Θ		22	
5	Θ		32	
6	Θ		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — D. LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06751-S-14X134292-06.0

Date: 10/30/03 Time:1439

10-30-03 15:36 Bag# 4292

19870 lb GR

103003 1536 4292 0019870

Shipment Survey

Survey Number: GTEOSI 8899 Date: 10-31-03 Time: 1051

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4296 Storage Bin: 43 Gross Weight: 18250 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	31	<MDA
2	1		21	
3	2		18	
4	0		19	
5	0		20	
6	2		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06801-S-11Q214296-15.0
Date: 10/31/03 Time:1112

10-31-03 10:51 Bag# 4296
18250 lb GR
103103 1051 4296 0018250

Shipment Survey

Survey Number: GTEOSI 8904 Date: 10-31-03 Time: 1241

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4301 Storage Bin: 44 Gross Weight: 22960 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	26	<MDA
2	0		26	
3	0		29	
4	0		18	
5	1		27	
6	0	✓	27	✓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage — Debra LeFage
Surveyor Name — Surveyor Signature

[illegible] — [illegible] of R Hopping
Supervisor Approval

06815-S-110214301-21.0
Date: 10/31/03 Time:1320

10-31-03 12:41 Bag# 4301
22960 lb GR
103103 1241 4301 0022960

Shipment Survey

Survey Number: GTEOSI 8937 Date: 11-3-03 Time: 0927

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4324 Storage Bin: 53 Gross Weight: 22170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	1		27	
3	0		22	
4	0		30	
5	0		28	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Debra K Page — Surveyor Signature

Supervisor Approval — under sup R. Hopping

06852-S-110224324-16.0
Date: 11/03/03 Time:0851

11-03-03 9:27 Bag# 4324
22170 lb GR
110303 0927 4324 0022170

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8938 Date: 11-3-03 Time: 0939

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4335 Storage Bin: 53 Gross Weight: 19660 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	< MDA	30	< MDA
2	0		32	
3	2		24	
4	1		30	
5	0		26	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

D. L. LePage
Surveyor Signature

[illegible] on behalf of R Happity
Supervisor Approval

06855-S-11Q224335-16.0
Date: 11/03/03 Time:1003

11-03-03 9:39 Bag# 4335
19660 lb GR
110303 0939 4335 0019660

Shipment Survey

Survey Number: GTEOSI -9000 Date: 11·04·03 Time: 1450

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4397 Storage Bin: 10 AISLE Gross Weight: 23580 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	39	<MDA
2	1		27	
3	0		28	
4	0		25	
5	0		29	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06921-S-11P214397-20.0
Date: 11/04/03 Time:1445

11-04-03 14:50 Bag# 4397
23580 lb GR
110403 1450 4392 0023580

Shipment Survey

Survey Number: GTEOSI 9002 Date: 11-5-03 Time: 1048

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4398 Storage Bin: 54 Gross Weight: 20110 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	31	LMDA
2	~~0~~		31	
3	~~0~~		32	
4	~~0~~		21	
5	~~0~~		29	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

For R Hampton
Supervisor Approval

06927-S-11N224398-02.0
Date: 11/05/03 Time:1055

11-05-03 10:48 Bag# 4398
20110 lb GR
110503 1048 4398 0020110

Shipment Survey

Survey Number: GTEOSI 9003 Date: 11-5-03 Time: 1053

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4401 Storage Bin: 54 Gross Weight: 20650 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	24	<MDA
2	~~0~~		24	
3	~~0~~		21	
4	~~0~~		25	
5	~~0~~		24	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06929-S-11N224401-04.0
Date: 11/05/03 Time:1101

11-05-03 10:53 Bag# 4401
20650 lb GR
110503 1053 4401 0020650

Shipment Survey

Survey Number: GTEOSI 9037 Date: 11-06-03 Time: 1518

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4435 Storage Bin: 47 Gross Weight: 20590 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	0		27	
3	0		22	
4	1		28	
5	0		34	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06978-S-110214435-14.0
Date: 11/06/03 Time:1525

11-06-03 15:18 Bag# 4435
20590 lb GR
110603 1518 4435 0020590

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-480
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100065
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER – Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-480

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.3553E+00	6.3655E-02	NA	19920 LBS; 157 FT3	3212
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8976E+01	5.1286E-01	NA	19870 LBS; 157 FT3	4292
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8570E+00	1.5830E-01	NA	18250 LBS; 144 FT3	4296
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3720E+01	1.7222E+00	NA	22960 LBS; 182 FT3	4301
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9455E+00	1.6069E-01	NA	22170 LBS; 175 FT3	4324
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7882E+00	1.0238E-01	NA	19660 LBS; 155 FT3	4335

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-480

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4655E+00	9.3663E-02	NA	23580 LBS; 187 FT3	4397
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6962E+00	9.9897E-02	NA	20110 LBS; 159 FT3	4398
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6651E+00	1.2608E-01	NA	20650 LBS; 163 FT3	4401
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0507E+00	8.2451E-02	NA	20590 LBS; 163 FT3	4435

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 46.4961 ft3 1642.0000	kg 93875.4831 ton 103.4800	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.1552E+02	NP	NP	NP	NP	(kg)	5.0864E+00
mCi	3.1222E+00	NP	NP	NP	NP	(tons)	5.6067E-03

2. MANIFEST NUMBER 0840-01-480

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-480

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3212/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4457	9035.5606	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4457	100	OXIDES/NONE	0.00	Th-230 [2.2724E-08 kg]	5.29787E-02	1.7656E-02	4.7720E-04	AU
		157.0000	9.9600	0.0100	<2.2000E+02	<2.2000E+03		157.0000				Th-232 [1.7353E-02 kg]	2.11915E-01	7.0626E-02	1.9088E-03	
												U-nat [1.8020E-01 kg]	3.40106E+00	2.2670E+00	6.1269E-02	
												Subtotal		2.3553E+00	6.3655E-02	
												Total Source [1.9756E-01 kg]		2.3553E+00	6.3655E-02	
4292/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4457	9012.8810	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4457	100	OXIDES/NONE	0.00	Th-230 [1.0610E-07 kg]	2.47979E-01	8.2436E-02	2.2280E-03	AU
		157.0000	9.9350	0.0100	<2.2000E+02	<2.2000E+03		157.0000				Th-232 [8.1018E-02 kg]	9.91915E-01	3.2974E-01	8.9120E-03	
												U-nat [7.0665E-01 kg]	5.58417E+01	1.8564E+01	5.0172E-01	
												Subtotal		1.8976E+01	5.1286E-01	
												Total Source [7.8766E-01 kg]		1.8976E+01	5.1286E-01	
4296/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0776	8278.0613	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0776	100	OXIDES/NONE	0.00	Th-230 [3.2749E-08 kg]	8.33688E-02	2.5446E-02	6.8772E-04	AU
		144.0000	9.1250	0.0100	<2.2000E+02	<2.2000E+03		144.0000				Th-232 [2.5008E-02 kg]	3.33475E-01	1.0178E-01	2.7509E-03	
												U-nat [2.1811E-01 kg]	1.87728E+01	5.7298E+00	1.5486E-01	
												Subtotal		5.8570E+00	1.5830E-01	
												Total Source [2.4312E-01 kg]		5.8570E+00	1.5830E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-480

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4301/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10414.4815	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [1.6165E-07 kg]	3.26809E-01	1.2560E-01	3.3947E-03	AU
		182.0000	11.4800	0.0200	<2.2000E+02	<2.2000E+03		182.0000				Th-232 [1.2345E-01 kg]	1.30723E+00	5.0242E-01	1.3579E-02	
												U-nat [2.4017E+00 kg]	1.64159E+02	6.3092E+01	1.7052E+00	
												Subtotal		6.3720E+01	1.7222E+00	
												Total Source [2.5251E+00 kg]		6.3720E+01	1.7222E+00	
4324/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10056.1435	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.5780E-07 kg]	3.30426E-01	1.2261E-01	3.3138E-03	AU
		175.0000	11.0850	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.2050E-01 kg]	1.32170E+00	4.9044E-01	1.3255E-02	
												U-nat [2.0299E-01 kg]	1.43707E+01	5.3324E+00	1.4412E-01	
												Subtotal		5.9455E+00	1.6069E-01	
												Total Source [3.2349E-01 kg]		5.9455E+00	1.6069E-01	
4335/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8917.6266	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [8.2334E-08 kg]	1.94504E-01	6.3973E-02	1.7290E-03	AU
		155.0000	9.8300	0.0200	<2.2000E+02	<2.2000E+03		155.0000				Th-232 [6.2873E-02 kg]	7.78014E-01	2.5589E-01	6.9160E-03	
												U-nat [1.3202E-01 kg]	1.05449E+01	3.4683E+00	9.3737E-02	
												Subtotal		3.7882E+00	1.0238E-01	
												Total Source [1.9490E-01 kg]		3.7882E+00	1.0238E-01	
4397/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2953	10695.7088	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2953	100	OXIDES/NONE	0.00	Th-230 [1.1725E-07 kg]	2.30780E-01	9.1101E-02	2.4622E-03	AU
		187.0000	11.7900	0.0100	<2.2000E+02	<2.2000E+03		187.0000				Th-232 [8.9534E-02 kg]	9.23121E-01	3.6441E-01	9.8488E-03	
												U-nat [1.1458E-01 kg]	7.62512E+00	3.0100E+00	8.1352E-02	
												Subtotal		3.4655E+00	9.3663E-02	
												Total Source [2.0412E-01 kg]		3.4655E+00	9.3663E-02	
4398/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9121.7432	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [9.0046E-08 kg]	2.07943E-01	6.9967E-02	1.8910E-03	AU
		159.0000	10.0550	0.0100	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [6.8762E-02 kg]	8.31773E-01	2.7986E-01	7.5638E-03	
												U-nat [1.2738E-01 kg]	9.94570E+00	3.3464E+00	9.0442E-02	
												Subtotal		3.6962E+00	9.9897E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-480

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (lon)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [1.9615E-01 kg]		3.6962E+00	9.9897E-02	
4401/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9366.6831	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [9.0896E-08 kg]	2.04397E-01	7.0626E-02	1.9088E-03	AU
												Th-232 [6.9412E-02 kg]	8.17589E-01	2.8251E-01	7.6353E-03	
												U-nat [1.6414E-01 kg]	1.24794E+01	4.3120E+00	1.1654E-01	
		163.0000	10.3250	0.0100	<2.2000E+02	<2.2000E+03		163.0000				Subtotal		4.6651E+00	1.2608E-01	
												Total Source [2.3356E-01 kg]		4.6651E+00	1.2608E-01	
4435/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9339.4675	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [1.0481E-07 kg]	2.36383E-01	8.1441E-02	2.2011E-03	AU
												Th-232 [8.0040E-02 kg]	9.45532E-01	3.2576E-01	8.8044E-03	
												U-nat [1.0063E-01 kg]	7.67270E+00	2.6435E+00	7.1445E-02	
		163.0000	10.2950	0.0150	<2.2000E+02	<2.2000E+03		163.0000				Subtotal		3.0507E+00	8.2451E-02	
												Total Source [1.8067E-01 kg]		3.0507E+00	8.2451E-02	
Shipment Totals		46.4961	94238.3571									Source [5.0864E+00 kg]		1.1552E+02	3.1222E+00	
		1642.0000	103.8800													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-480
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-480
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.5086E-01	2.0294E-02
Th-232	3.0034E+00	8.1174E-02
U-nat	1.1177E+02	3.0207E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-480
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100065

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-480

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L65210
DATE: 11-26-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [illegible] — TITLE: Scale-Office — DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.3553E+00	6.3655E-02	NA	19920 LBS; 157 FT3	3212
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8976E+01	5.1286E-01	NA	19870 LBS; 157 FT3	4292
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8570E+00	1.5830E-01	NA	18250 LBS; 144 FT3	4296
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3720E+01	1.7222E+00	NA	22960 LBS; 182 FT3	4301
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9455E+00	1.6069E-01	NA	22170 LBS; 175 FT3	4324
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7882E+00	1.0238E-01	NA	19660 LBS; 155 FT3	4335

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;UR827010-039: 120903 • 0684

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-480	CIRR	MWCX 100065

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Ormacale

Shipment Date 11/11/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100065

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4324	22170
	Liner	4335	19960
			Total:
			42130
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI	Neal Sawyer		11/11/2003
Transporter	Signature		Date
Priority Transport	G. Amato		11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100065

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4401	20650
	Liner	4301	22960
			Total:
			43610
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX 100065
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4397	23580
	Liner	4398	20110
			Total:
			43690
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MWCX 100065

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4292	19870
	Liner	4296	18250
			Total:
			38120
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100065

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4435	20590
	Liner	3212	19920
			Total:
			40510
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209300	20590	19920	22170	19660	19870	18250	23580	20110	20650	22960
	0840-01-480	Bag #	4435	3212	4324	4335	4292	4296	4397	4398	4401	4301
	Storage Loc.			avg 1								
100065	11/11/2003	209300	188710	168790	146620	126960	107090	88840	65260	45150	24500	1540

Averaging over a Gondola PCE Results			
Bagnum	Total		
3212	18.35886		
4435	0.092		
4324	1.066		
4335	0.091		
4292	0.082		
4296	0.108		
4397	0.103		
4398	0.127		
4401	0.108		
4301	1.001		
Total	21.14		

MWCX-100065
0840-01-480

Daily Shipping checklist for Trucks and Packages

Date: 11/11/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3212		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4292		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4296		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4301		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4324		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4335		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4397		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4398		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4401		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4435		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOST 7136 Date: 9-23-03 Time: 1500

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3172 Storage Bin: 39 Gross Weight: 20520 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	22	LMDA
2	0		24	
3	0		32	
4	1		32	
5	0		24	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

04997-S-04W163172-18.0
Date: 09/23/03 Time:1500

9-23-03 14:49 Bag# 3172
20520 lb GR
092303 1449 3172 0020520

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8897 Date: 10-30-03 Time: 1431

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4291 Storage Bin: 43 Gross Weight: 20800 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

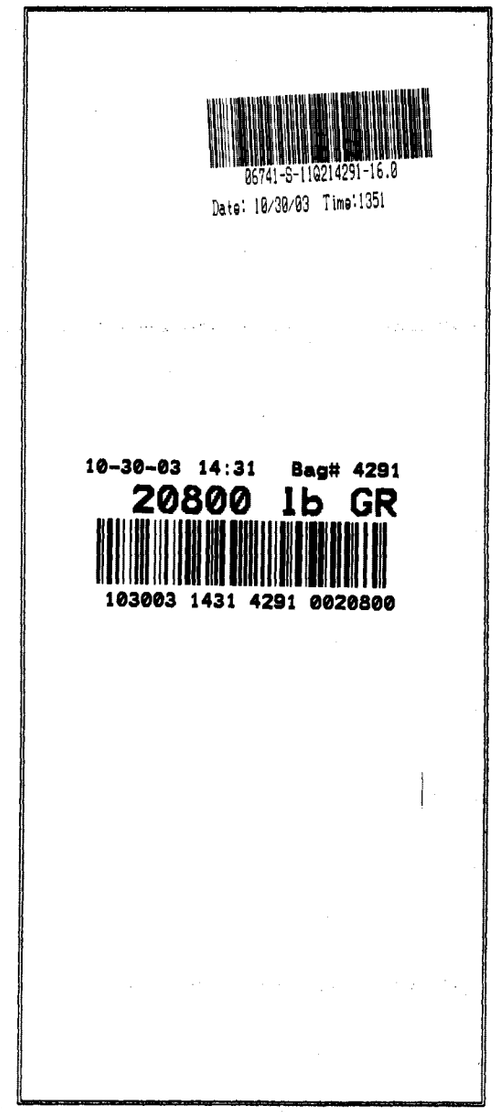
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	29	<MDA
2	0		29	
3	2		33	
4	5		39	
5	4		45	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval



NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8901 Date: 10-31-03 Time: 1120

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4297 Storage Bin: 44 Gross Weight: 20750 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	32	<MDA
2	1		30	
3	2		14	
4	~~0~~		17	
5	~~0~~		30	
6	1		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] in lieu of R Mapping
Supervisor Approval

06887-S-11Q214297-15.0
Date: 10/31/03 Time:1155

10-31-03 11:20 Bag# 4297
20750 lb GR
103103 1120 4297 0020750

Shipment Survey

Survey Number: GTEOSI 8902 Date: 10-31-03 Time: 1233

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4298 Storage Bin: 44 Gross Weight: 21860 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	19	<MDA
2	Ø		28	
3	Ø		25	
4	Ø		31	
5	Ø		23	
6	Ø		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06813-S-11Q214298-21.0
Date: 10/31/03 Time:1315

10-31-03 12:33 Bag# 4298
21860 lb GR
103103 1233 4298 0021860

Shipment Survey

Survey Number: GTEOSI -8984 Date: 11-4-03 Time: 1118

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4384 Storage Bin: 100 AISLE Gross Weight: 22910 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	31	<MDA
2	0		17	
3	0		23	
4	0		21	
5	1		27	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06904-S-11P224384-22.0
Date: 11/04/03 Time:1144

11-04-03 11:18 Bag# 4384
22910 lb GR
110403 1118 4384 0022910

Shipment Survey

Survey Number: GTEOSI 8999 Date: 11-4-03 Time: 1331

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4399 Storage Bin: 100 AISLE Gross Weight: 21220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	28	<MDA
2	Ø		34	
3	Ø		25	
4	Ø		29	
5	Ø		33	
6	Ø		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06915-S-12P154399-02.0
Date: 11/04/03 Time:1350

11-04-03 13:31 Bag# 4399
21220 lb GR
110403 1331 4399 0021220

Shipment Survey

Survey Number: GTEOSI 9001 Date: 11-5-03 Time: 1045

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4400 Storage Bin: 54 Gross Weight: 19710 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	30	<MDA
2	Ø		19	
3	Ø		32	
4	Ø		37	
5	Ø		20	
6	Ø		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06928-S-11N224400-02.0
Date: 11/05/03 Time:1058

11-05-03 10:45 Bag# 4400
19710 lb GR
110503 1045 4400 0019710

Shipment Survey

Survey Number: GTEOSI 9008 Date: 11-5-03 Time: 1240

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4406 Storage Bin: 55 Gross Weight: 19960 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	20	<MDA
2	~~0~~		29	
3	1		23	
4	~~0~~		22	
5	~~0~~		25	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] for R. Hopping
Supervisor Approval

06934-S-11N224406-00.0
Date: 11/05/03 Time:1150

11-05-03 12:40 Bag# 4406
19960 lb GR
110503 1240 4406 0019960

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9031 Date: 11-6-03 Time: 1115

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4429 Storage Bin: 45 Gross Weight: 19380 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	35	LMDA
2	Ø		26	
3	Ø		31	
4	Ø		35	
5	Ø		26	
6	Ø		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06961-S-11N214429-04.0
Date: 11/06/03 Time:1121

11-06-03 11:15 Bag# 4429
19380 lb GR
110603 1115 4429 0019380

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9036 Date: 11-6-03 Time: 1511

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4433 Storage Bin: 46 Gross Weight: 21450 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	24	<MDA
2	Ø		25	
3	Ø		31	
4	Ø		32	
5	Ø		30	
6	Ø		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06969-S-110214433-14.0
Date: 11/06/03 Time:1513

11-06-03 15:11 Bag# 4433
21450 lb GR
110603 1511 4433 0021450

NYSDEC:V00089-1; URS27010-039

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-481
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100073

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Lumato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-481

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0536E+00	8.2531E-02	NA	20520 LBS; 162 FT3	3172
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1750E+01	3.1758E-01	NA	20800 LBS; 164 FT3	4291
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0556E+00	1.9069E-01	NA	20750 LBS; 164 FT3	4297
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6655E+01	7.2043E-01	NA	21860 LBS; 173 FT3	4298
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9282E+00	1.3320E-01	NA	22910 LBS; 181 FT3	4384
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.5653E+00	2.3149E-01	NA	21220 LBS; 168 FT3	4399

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-481

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2893E+00	1.1593E-01	NA	19710 LBS; 156 FT3	4400
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3457E+00	1.7151E-01	NA	19960 LBS; 158 FT3	4406
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6258E+00	1.2502E-01	NA	19380 LBS; 153 FT3	4429
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3550E+01	3.6622E-01	NA	21450 LBS; 170 FT3	4433

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 46.6945 / ft3 1649.0000	kg 94238.3570 / ton 103.8800	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	9.0819E+01	NP	NP	NP	NP	(kg)	4.1744E+00
mCi	2.4546E+00	NP	NP	NP	NP	(tons)	4.6015E-03

2. MANIFEST NUMBER 0840-01-481

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-481

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3172/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9307.7160	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [2.7219E-08 kg]	6.15957E-02	2.1149E-02	5.7159E-04	AU
		162.0000	10.2600	0.0300	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [2.0785E-02 kg]	2.46383E-01	8.4597E-02	2.2864E-03	
												U-nat [2.3433E-01 kg]	4.29284E+00	2.9479E+00	7.9673E-02	
												Subtotal		3.0536E+00	8.2531E-02	
												Total Source [2.5512E-01 kg]		3.0536E+00	8.2531E-02	
4291/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9434.7219	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.1016E-07 kg]	2.45922E-01	8.5596E-02	2.3134E-03	AU
		164.0000	10.4000	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [8.4122E-02 kg]	9.83688E-01	3.4238E-01	9.2534E-03	
												U-nat [4.3100E-01 kg]	3.25302E+01	1.1322E+01	3.0601E-01	
												Subtotal		1.1750E+01	3.1758E-01	
												Total Source [5.1512E-01 kg]		1.1750E+01	3.1758E-01	
4297/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9412.0423	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [6.9343E-08 kg]	1.55177E-01	5.3879E-02	1.4562E-03	AU
		164.0000	10.3750	0.0150	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [5.2953E-02 kg]	6.20709E-01	2.1552E-01	5.8249E-03	
												U-nat [2.5832E-01 kg]	1.95442E+01	6.7862E+00	1.8341E-01	
												Subtotal		7.0556E+00	1.9069E-01	
												Total Source [3.1127E-01 kg]		7.0556E+00	1.9069E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-481

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER							
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4298/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9915.5299	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [6.1129E-08 kg]	1.29823E-01	4.7497E-02	1.2837E-03	AU
		173.0000	10.9300	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [4.6680E-02 kg]	5.19291E-01	1.8999E-01	5.1348E-03	
												U-nat [1.0056E+00 kg]	7.22084E+01	2.6418E+01	7.1401E-01	
												Subtotal		2.6655E+01	7.2043E-01	
												Total Source [1.0523E+00 kg]		2.6655E+01	7.2043E-01	
4384/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10391.8019	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.4739E-07 kg]	2.98617E-01	1.1452E-01	3.0951E-03	AU
		181.0000	11.4550	0.0100	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [1.1255E-01 kg]	1.19447E+00	4.5806E-01	1.2380E-02	
												U-nat [1.6581E-01 kg]	1.13580E+01	4.3556E+00	1.1772E-01	
												Subtotal		4.9282E+00	1.3320E-01	
												Total Source [2.7836E-01 kg]		4.9282E+00	1.3320E-01	
4399/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9625.2307	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [1.0766E-07 kg]	2.35567E-01	8.3653E-02	2.2609E-03	AU
		168.0000	10.6100	0.0100	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [8.2214E-02 kg]	9.42270E-01	3.3461E-01	9.0435E-03	
												U-nat [3.1013E-01 kg]	2.29423E+01	8.1470E+00	2.2019E-01	
												Subtotal		8.5653E+00	2.3149E-01	
												Total Source [3.9234E-01 kg]		8.5653E+00	2.3149E-01	
4400/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8940.3062	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [6.5027E-08 kg]	1.53227E-01	5.0527E-02	1.3656E-03	AU
		156.0000	9.8550	0.0100	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [4.9657E-02 kg]	6.12908E-01	2.0211E-01	5.4623E-03	
												U-nat [1.5367E-01 kg]	1.22423E+01	4.0367E+00	1.0910E-01	
												Subtotal		4.2893E+00	1.1593E-01	
												Total Source [2.0332E-01 kg]		4.2893E+00	1.1593E-01	
4406/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4741	9053.7043	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741	100	OXIDES/NONE	0.00	Th-230 [1.9539E-07 kg]	4.54610E-01	1.5181E-01	4.1031E-03	AU
		158.0000	9.9800	0.0150	<2.2000E+02	<2.2000E+03		158.0000				Th-232 [1.4920E-01 kg]	1.81844E+00	6.0724E-01	1.6412E-02	
												U-nat [2.1266E-01 kg]	1.67287E+01	5.5866E+00	1.5099E-01	
												Subtotal		6.3457E+00	1.7151E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-481

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.6186E-01 kg]		6.3457E+00	1.7151E-01	
4429/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8790.6207	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [8.1260E-08 kg]	1.94752E-01	6.3141E-02	1.7065E-03	AU
		153.0000	9.6900	0.0200	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [6.2053E-02 kg]	7.79007E-01	2.5255E-01	6.8258E-03	
												U-nat [1.6407E-01 kg]	1.32943E+01	4.3101E+00	1.1649E-01	
												Subtotal		4.6258E+00	1.2502E-01	
												Total Source [2.2612E-01 kg]		4.6258E+00	1.2502E-01	
4433/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9729.5570	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.0189E-07 kg]	2.20532E-01	7.9165E-02	2.1396E-03	AU
		170.0000	10.7250	0.0100	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [7.7804E-02 kg]	8.82128E-01	3.1666E-01	8.5584E-03	
												U-nat [5.0074E-01 kg]	3.66444E+01	1.3154E+01	3.5552E-01	
												Subtotal		1.3550E+01	3.6622E-01	
												Total Source [5.7854E-01 kg]		1.3550E+01	3.6622E-01	
Shipment Totals		46.6945	94601.2309									Source [4.1744E+00 kg]		9.0819E+01	2.4546E+00	
		1649.0000	104.2800													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number

0840-01-481

PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-481
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.5094E-01	2.0296E-02
Th-232	3.0037E+00	8.1182E-02
U-nat	8.7065E+01	2.3531E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-481
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100073

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Lumato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-481

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65212

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11-26-03

10. CERTIFICATION
This is to certify that the hereinnamed materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Sr. Lic. GTEOSI | DATE: 11/26/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0536E+00	8.2531E-02	NA	20520 LBS; 162 FT3	3172
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1750E+01	3.1758E-01	NA	20800 LBS; 164 FT3	4291
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0556E+00	1.9069E-01	NA	20750 LBS; 164 FT3	4297
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6655E+01	7.2043E-01	NA	21860 LBS; 173 FT3	4298
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9282E+00	1.3320E-01	NA	22910 LBS; 181 FT3	4384
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.5653E+00	2.3149E-01	NA	21220 LBS; 168 FT3	4399

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-481	CIRR	MWCX 100073

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimacale

Shipment Date 11/11/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MWCX 100073

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4433	21450
	Liner	4384	22910
			Total:
			44360
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MWCX 100073

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4298	21860
	Liner	4429	19380
			Total:
			41240
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MWCX 100073

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4400	19710
	Liner	4297	20750
			Total:
			40460
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MWCX 100073

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3172	20520
	Liner	4399	21220
			Total:
			41740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MWCX 100073
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4406	19960
	Liner	4291	20800
			Total:
			40760
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Gondolas												
survey#			weight									
id #		Capacity	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209500	19960	20800	20520	21220	19710	20750	21860	19380	21450	22910
	0840-01-481	Bag #	4406	4291	3172	4399	4400	4297	4298	4429	4433	4384
	Storage Loc.				avg 1							
100073	11/11/2003	209500	189540	168740	148220	127000	107290	86540	64680	45300	23850	940

Daily Shipping checklist for Trucks and Packages

Date: 11/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3172		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4291		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4297		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4298		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4384		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4399		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4400		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4406		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4429		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4433		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Averaging over a Gondola PCE Results			
Bagnum	Total		
3172	282.278		
4406	0.132		
4291	0.093		
4399	0.78		
4400	0.112		
4297	0.095		
4298	0.14		
4429	0.099		
4433	0.202		
4384	0.101		
Total	284.03		

MWCX-100073
0840-01-481

Shipment Survey

Survey Number: GTEOSI 7494 Date: 9-26-03 Time: 1600

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3332 Storage Bin: 100 AISLE Gross Weight: 23170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	1		29	
3	0		25	
4	1		29	
5	1		23	
6	1		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

05218-S-04W163332-24.0

Date: 09/26/03 Time:1556

9-26-03 15:52 Bag# 3332

23170 lb GR

092603 1552 3332 0023170

Shipment Survey

Survey Number: GTEOSI 8861 Date: 10-30-03 Time: 0949

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4251 Storage Bin: 34 Gross Weight: 24310 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

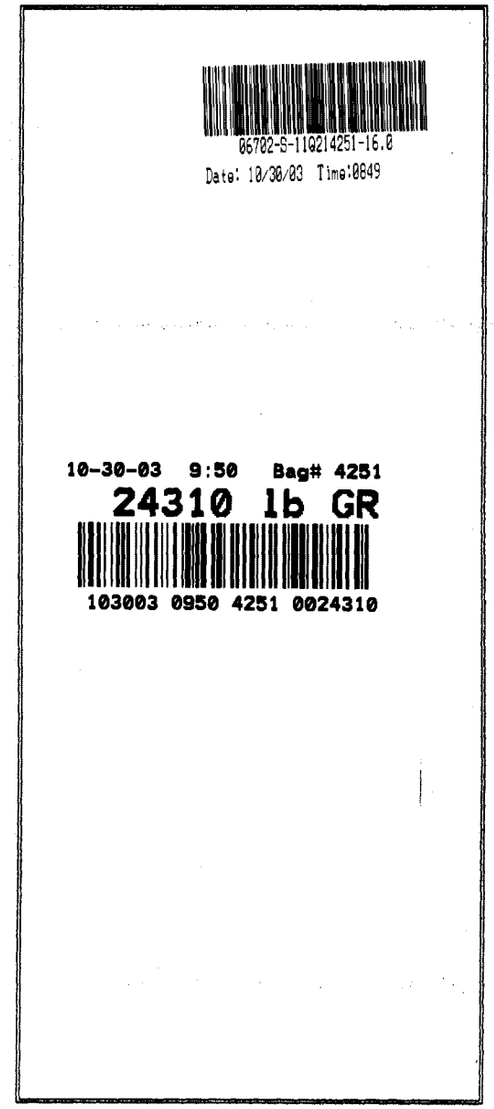
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	30	<MDA
2	1		30	
3	1		40	
4	0		27	
5	0		20	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval



NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8866 Date: 10-30-03 Time: 1011

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4261 Storage Bin: 35 Gross Weight: 22930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	27	<MDA
2	~~0~~		33	
3	1		30	
4	~~0~~		16	
5	~~0~~		25	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06715-S-11Q214261-16.0
Date: 10/30/03 Time:1031

10-30-03 10:11 Bag# 4261
22930 lb GR
103003 1011 4261 0022930

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8884 Date: 10-30-03 Time: 1131

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4279 Storage Bin: 39 Gross Weight: 25360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	28	<MDA
2	0		29	
3	0		15	
4	1		24	
5	0		24	
6	2		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFebre — Debra LeFebre

Surveyor Name — Surveyor Signature

Supervisor Approval

06728-S-14X134279-06.0
Date: 10/30/03 Time: 1138

10-30-03 11:31 Bag# 4279
25360 lb GR
103003 1131 4279 0025360

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8934 Date: 11-3-03 Time: 0835

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4321 Storage Bin: 52 Gross Weight: 24190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	42	<MDA
2	0		23	
3	1		25	
4	0		25	
5	3		27	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LaPage
Surveyor Name

Surveyor Signature

Supervisor Approval on behalf of Bob Hopping

06850-S-11Q224321-16.0
Date: 11/03/03 Time:0846

11-03-03 8:35 Bag# 4321
24190 lb GR
110303 0835 4321 0024190

Shipment Survey

Survey Number: GTEOSI 8940 Date: 11-3-03 Time: 0953

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4336 Storage Bin: 56 Gross Weight: 24040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	22	<MDA
2	Ø		22	
3	2		26	
4	Ø		26	
5	1		32	
6	Ø		38	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval — for in lieu of R Hopping

06856-S-110224336-16.0
Date: 11/03/03 Time:1006

11-03-03 9:53 Bag# 4336
24040 lb GR
110303 0953 4336 0024040

Shipment Survey

Survey Number: GTEOSI 8942 Date: 11-3-03 Time: 1011

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4337 Storage Bin: 56 Gross Weight: 24040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	20	<MDA
2	0		20	
3	1		20	
4	0		29	
5	0		38	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

06857-S-110224337-16.0
Date: 11/03/03 Time:1011

11-03-03 10:11 Bag# 4337
24040 lb GR
110303 1011 4337 0024040

Shipment Survey

Survey Number: GTEOSI 9059 Date: 11-7-03 Time: 1539

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4456 Storage Bin: 32 Gross Weight: 24850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	30	<MDA
2	0		30	
3	0		28	
4	0		31	
5	0		31	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07000-S-11P214456-18.0

Date: 11/07/03 Time:1558

11-07-03 15:39 Bag# 4456

24850 lb GR

110703 1539 4456 0024850

NYSDEC:V00089-1; URS27010-039

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 8

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-482
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101438

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Cruetto
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-482

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: X
TITLE: Broker GTEOSI
DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6162E+00	7.0707E-02	NA	23170 LBS; 183 FT3	3332
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6726E+00	2.0737E-01	NA	24310 LBS; 192 FT3	4251
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8821E+00	2.1303E-01	NA	22930 LBS; 181 FT3	4261
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0447E+00	8.2289E-02	NA	25360 LBS; 201 FT3	4279
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1633E+01	3.1439E-01	NA	24190 LBS; 191 FT3	4321
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0177E+00	2.4372E-01	NA	24040 LBS; 190 FT3	4336

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-482

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0155E+01	2.7447E-01	NA	24040 LBS; 190 FT3	4337
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9761E+00	1.8854E-01	NA	24850 LBS; 197 FT3	4456

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
8	m3 43.1831 ft3 1525.0000	kg 87203.1389 ton 96.1250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.8998E+01	NP	NP	NP	NP	(kg)	3.0314E+00
mCi	1.5945E+00	NP	NP	NP	NP	(tons)	3.3416E-03

2. MANIFEST NUMBER 0840-01-482

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-482

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3332/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10509.7359	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [2.6942E-08 kg]	5.39716E-02	2.0934E-02	5.6578E-04	AU
		183.0000	11.5850	0.0300	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [2.0574E-02 kg]	2.15887E-01	8.3735E-02	2.2631E-03	
												U-nat [1.9964E-01 kg]	3.23758E+00	2.5115E+00	6.7878E-02	
												Subtotal		2.6162E+00	7.0707E-02	
												Total Source [2.2022E-01 kg]		2.6162E+00	7.0707E-02	
4251/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.4368	11026.8312	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.4368	100	OXIDES/NONE	0.00	Th-230 [3.3826E-07 kg]	6.45745E-01	2.6283E-01	7.1035E-03	AU
		192.0000	12.1550	0.0200	<2.2000E+02	<2.2000E+03		192.0000				Th-232 [2.5831E-01 kg]	2.58298E+00	1.0513E+00	2.8414E-02	
												U-nat [2.4205E-01 kg]	1.56223E+01	6.3585E+00	1.7185E-01	
												Subtotal		7.6726E+00	2.0737E-01	
												Total Source [5.0035E-01 kg]		7.6726E+00	2.0737E-01	
4261/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10400.8737	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.7113E-07 kg]	3.46418E-01	1.3297E-01	3.5937E-03	AU
		181.0000	11.4650	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [1.3068E-01 kg]	1.38567E+00	5.3188E-01	1.4375E-02	
												U-nat [2.7473E-01 kg]	1.88029E+01	7.2172E+00	1.9506E-01	
												Subtotal		7.8821E+00	2.1303E-01	
												Total Source [4.0541E-01 kg]		7.8821E+00	2.1303E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-482

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4279/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.6917	11503.1033	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.6917	100	OXIDES/NONE	0.00	Th-230 [5.9518E-08 kg]	1.08901E-01	4.6246E-02	1.2499E-03	AU
		201.0000	12.6800	0.0300	<2.2000E+02	<2.2000E+03		201.0000				Th-232 [4.5450E-02 kg]	4.35603E-01	1.8498E-01	4.9995E-03	
												U-nat [1.0710E-01 kg]	6.62539E+00	2.8135E+00	7.6040E-02	
												Subtotal		3.0447E+00	8.2289E-02	
												Total Source [1.5255E-01 kg]		3.0447E+00	8.2289E-02	
4321/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.4085	10972.4002	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.4085	100	OXIDES/NONE	0.00	Th-230 [2.2365E-07 kg]	4.29078E-01	1.7378E-01	4.6967E-03	AU
		191.0000	12.0950	0.0300	<2.2000E+02	<2.2000E+03		191.0000				Th-232 [1.7079E-01 kg]	1.71631E+00	6.9512E-01	1.8787E-02	
												U-nat [4.0973E-01 kg]	2.65768E+01	1.0764E+01	2.9091E-01	
												Subtotal		1.1633E+01	3.1439E-01	
												Total Source [5.8052E-01 kg]		1.1633E+01	3.1439E-01	
4336/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3802	10904.3613	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3802	100	OXIDES/NONE	0.00	Th-230 [5.3710E-08 kg]	1.03688E-01	4.1732E-02	1.1279E-03	AU
		190.0000	12.0200	0.0200	<2.2000E+02	<2.2000E+03		190.0000				Th-232 [4.1015E-02 kg]	4.14752E-01	1.6693E-01	4.5116E-03	
												U-nat [3.3533E-01 kg]	2.18870E+01	8.8090E+00	2.3808E-01	
												Subtotal		9.0177E+00	2.4372E-01	
												Total Source [3.7634E-01 kg]		9.0177E+00	2.4372E-01	
4337/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3802	10904.3613	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3802	100	OXIDES/NONE	0.00	Th-230 [7.6560E-08 kg]	1.47801E-01	5.9489E-02	1.6078E-03	AU
		190.0000	12.0200	0.0200	<2.2000E+02	<2.2000E+03		190.0000				Th-232 [5.8464E-02 kg]	5.91206E-01	2.3795E-01	6.4310E-03	
												U-nat [3.7525E-01 kg]	2.44930E+01	9.8579E+00	2.6643E-01	
												Subtotal		1.0155E+01	2.7447E-01	
												Total Source [4.3372E-01 kg]		1.0155E+01	2.7447E-01	
4456/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.5784	11271.7711	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.5784	100	OXIDES/NONE	0.00	Th-230 [1.5718E-07 kg]	2.93511E-01	1.2213E-01	3.3007E-03	AU
		197.0000	12.4250	0.0100	<2.2000E+02	<2.2000E+03		197.0000				Th-232 [1.2003E-01 kg]	1.17404E+00	4.8851E-01	1.3203E-02	
												U-nat [2.4231E-01 kg]	1.52986E+01	6.3655E+00	1.7204E-01	
												Subtotal		6.9761E+00	1.8854E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-482

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2)		PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
					ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				
												RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.6234E-01 kg]		**6.9761E+00**	**1.8854E-01**	
Shipment Totals		**43.1831**	**87493.4380**									**Source [3.0314E+00 kg]**		**5.8998E+01**	**1.5945E+00**	
		1525.0000	**96.4450**													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-482
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-482
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	8.6010E-01	2.3246E-02
Th-232	3.4404E+00	9.2983E-02
U-nat	5.4697E+01	1.4783E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 8

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-482
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101438

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-482

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
H5214

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11-26-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Sales OTEOSI | DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6162E+00	7.0707E-02	NA	23170 LBS; 183 FT3	3332
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6726E+00	2.0737E-01	NA	24310 LBS; 192 FT3	4251
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8821E+00	2.1303E-01	NA	22930 LBS; 181 FT3	4261
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0447E+00	8.2289E-02	NA	25360 LBS; 201 FT3	4279
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1633E+01	3.1439E-01	NA	24190 LBS; 191 FT3	4321
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0177E+00	2.4372E-01	NA	24040 LBS; 190 FT3	4336

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-482	CIRR	JTSX 101438

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimacale

Shipment Date 11/11/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # JTSX 101438

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4337	24040
	Liner	4456	24850
			Total:
			48890
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101438

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3332	23170
	Liner	4279	25360
			Total:
			48530
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101438

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4321	24190
	Liner	4336	24040
			Total:
			48230
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101438

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4261	22930
	Liner	4251	24310
			Total:
			47240
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3332		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4251		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4261		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4279		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4321		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4336		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4337		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4456		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200900	**23170**	**25360**	**22930**	**24310**	**24190**	**24040**	**24040**	**24850**
SLW	0840-01-482	Bag #	**3332**	**4279**	**4261**	**4251**	**4321**	**4336**	**4337**	**4456**
	Storage Loc.		**avg o one**	**slw**	**slw**	**slw**	**slw**	**slw**	**slw**	**slw**
101438	11/11/2003	200900	177730	152370	129440	105130	80940	56900	32860	8010

Averaging over a Gondola PCE Results			
Bagnum	Total		
3332	66.777		
4279	0.075		
4261	0.093		
4251	0.108		
4321	0.108		
4336	0.097		
4337	0.085		
4456	0.096		
Total	67.44		

JTSX-101438
0840-01-482

Shipment Survey

Survey Number: GTEOSI 7105 Date: 9-22-03 Time: 1548

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3146 Storage Bin: 60 Gross Weight: 19370 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .008 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	39	<MDA
2	0		23	
3	0		29	
4	1		26	
5	0		22	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

04945-S-04V163146-18.0

Date: 09/22/03 Time:1556

9-22-03 15:35 Bag# 3146

19370 lb GR

092203 1535 3146 0019370

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8831 Date: 10-29-03 Time: 0802

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4223 Storage Bin: 58 Gross Weight: 21930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	12	LMDA
2	2		28	
3	1		30	
4	0		38	
5	0		41	
6	1		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06669-S-11Q214223-14.0
Date: 10/29/03 Time:0829

10-29-03 8:02 Bag# 4223
21930 lb GR
102903 0802 4223 0021930

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8886 Date: 10-30-03 Time: 1239

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4283 Storage Bin: 40 Gross Weight: 22860 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	35	<MDA
2	~~0~~		18	
3	3		25	
4	2		32	
5	2		17	
6	~~0~~		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Lehr — Surveyor Name

Surveyor Signature

Supervisor Approval

06731-S-11P214283-14.0

Date: 10/30/03 Time:1152

10-30-03 12:39 Bag# 4283

22860 lb GR

103003 1239 4283 0022860

Shipment Survey

Survey Number: GTEOSI 8888 Date: 10-30-03 Time: 1252

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4284 Storage Bin: 40 Gross Weight: 22650 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	22	<MDA
2	0		23	
3	0		28	
4	1		25	
5	0		20	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage — Surveyor Name

L Page — Surveyor Signature

Supervisor Approval

06732-S-11P214284-14.0
Date: 10/30/03 Time: 1154

10-30-03 12:52 Bag# 4284
22650 lb GR
103003 1252 4284 0022650

Shipment Survey

Survey Number: GTEOSI 8890 Date: 10-30-03 Time: 1316

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4289 Storage Bin: 41 Gross Weight: 20820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

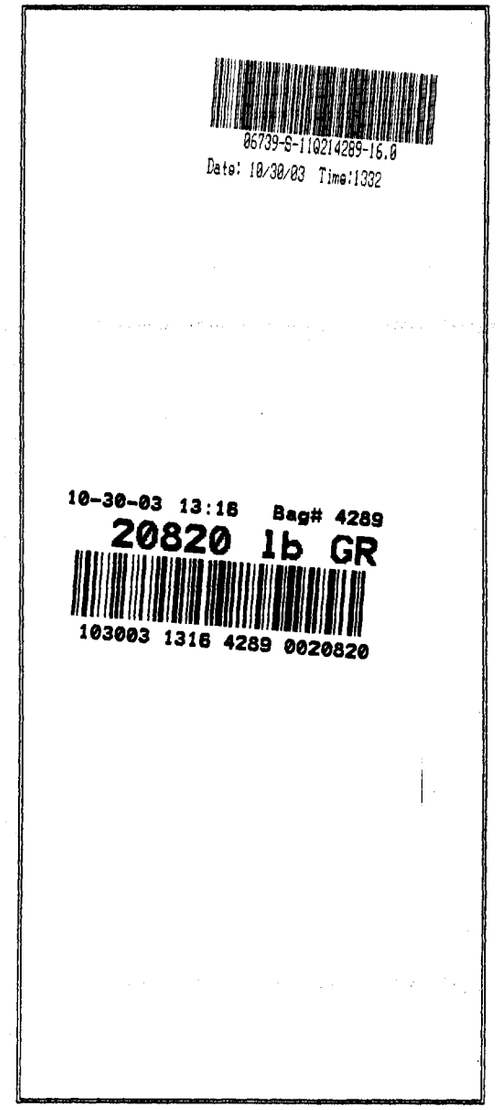
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	36	<MDA
2	1		34	
3	1		41	
4	0		23	
5	1		27	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 8933 Date: 11-3-03 Time: 0832

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4320 Storage Bin: 52 Gross Weight: 23780 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	37	<MDA
2	0		19	
3	0		21	
4	0		25	
5	1		33	
6	2		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage
Surveyor Name

Surveyor Signature

Supervisor Approval

06849-S-11Q224320-16.0
Date: 11/03/03 Time:0840

11-03-03 8:32 Bag# 4320
23780 lb GR
110303 0832 4320 0023780

Shipment Survey

Survey Number: GTEOSI - 8935 Date: 11-3-03 Time: 0842

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4322 Storage Bin: 52 Gross Weight: 23040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	31	<MDA
2	0		31	
3	1		27	
4	0		17	
5	0		37	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Surveyor Name

Cathy Buffington — Surveyor Signature

W. Yarnach in lieu of R. Hoppaugh — Supervisor Approval

06851-S-11Q224322-16.0

Date: 11/03/03 Time: 0848

11-03-03 8:42 Bag# 4322

23040 lb GR

110303 0842 4322 0023040

Shipment Survey

Survey Number: GTEOSI 8936 Date: 11-3-03 Time: 0845

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4323 Storage Bin: 52 Gross Weight: 23700 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	25	<MDA
2	0		22	
3	1		30	
4	2		35	
5	0		25	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

[illegible] on behalf of R Kupping
Supervisor Approval

06853-S-110224323-16.0
Date: 11/03/03 Time:0854

11-03-03 8:45 Bag# 4323
23700 lb GR
110303 0845 4323 0023700

Shipment Survey

Survey Number: GTEOSI 8939 Date: 11-3-03 Time: 0942

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4334 Storage Bin: 53 Gross Weight: 23220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	22	<MDA
2	0		24	
3	0		26	
4	3		27	
5	3		22	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

D LePage — Surveyor Signature

Wayne E[illegible] on behalf of R Hopping — Supervisor Approval

06854-S-110224334-16.0
Date: 11/03/03 Time:0953

11-03-03 9:42 Bag# 4334
23220 lb GR
110303 0942 4334 0023220

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
GTEOSI
140 Cantlague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-483
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-2070

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-483

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4799E+00	6.7024E-02	NA	19370 LBS; 153 FT3	3146
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5883E+00	2.0509E-01	NA	21930 LBS; 173 FT3	4223
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3811E+00	1.4544E-01	NA	22860 LBS; 181 FT3	4283
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8359E+00	1.8476E-01	NA	22650 LBS; 179 FT3	4284
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5575E+01	4.2094E-01	NA	20820 LBS; 165 FT3	4289
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4118E+00	9.2212E-02	NA	23780 LBS; 188 FT3	4320

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-483

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.7323E+00	1.5493E-01	NA	23040 LBS; 182 FT3	4322
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6756E+01	7.2314E-01	NA	23700 LBS; 187 FT3	4323
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0737E+00	1.6415E-01	NA	23220 LBS; 184 FT3	4334

FORM 540A (04-03)

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 45.0805	kg 91013.3151	NP	NP	NP	NP
	ft3 1592.0000	ton 100.3250				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.9835E+01	NP	NP	NP	NP	(kg)	4.0457E+00
mCi	2.1577E+00	NP	NP	NP	NP	(tons)	4.4597E-03

2. MANIFEST NUMBER 0840-01-483

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-483

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3146/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8786.0848	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [3.7607E-08 kg]	9.01773E-02	2.9220E-02	7.8974E-04	AU
		153.0000	9.6850	0.0080	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [2.8718E-02 kg]	3.60709E-01	1.1688E-01	3.1590E-03	
												U-nat [1.8551E-01 kg]	3.60111E+00	2.3338E+00	6.3075E-02	
												Subtotal		2.4799E+00	6.7024E-02	
												Total Source [2.1423E-01 kg]		2.4799E+00	6.7024E-02	
4223/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9947.2813	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [3.8979E-07 kg]	8.25177E-01	3.0287E-01	8.1857E-03	AU
		173.0000	10.9650	0.0100	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [2.9766E-01 kg]	3.30071E+00	1.2115E+00	3.2743E-02	
												U-nat [2.3122E-01 kg]	1.65490E+01	6.0739E+00	1.6416E-01	
												Subtotal		7.5883E+00	2.0509E-01	
												Total Source [5.2888E-01 kg]		7.5883E+00	2.0509E-01	
4283/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10369.1223	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.3110E-07 kg]	2.66206E-01	1.0186E-01	2.7531E-03	AU
		181.0000	11.4300	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [1.0011E-01 kg]	1.06482E+00	4.0748E-01	1.1013E-02	
												U-nat [1.8546E-01 kg]	1.27318E+01	4.8718E+00	1.3167E-01	
												Subtotal		5.3811E+00	1.4544E-01	
												Total Source [2.8557E-01 kg]		5.3811E+00	1.4544E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-483

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4284/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10273.8679	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [2.6024E-07 kg]	5.33333E-01	2.0221E-01	5.4650E-03	AU
												Th-232 [1.9873E-01 kg]	2.13333E+00	8.0882E-01	2.1860E-02	
		179.0000	11.3250	0.0200	<2.2000E+02	<2.2000E+03		179.0000				U-nat [2.2173E-01 kg]	1.53638E+01	5.8249E+00	1.5743E-01	
												Subtotal		6.8359E+00	1.8476E-01	
												Total Source [4.2046E-01 kg]		6.8359E+00	1.8476E-01	
4289/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9443.7938	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [1.0279E-07 kg]	2.29255E-01	7.9872E-02	2.1587E-03	AU
												Th-232 [7.8497E-02 kg]	9.17021E-01	3.1948E-01	8.6346E-03	
		165.0000	10.4100	0.0200	<2.2000E+02	<2.2000E+03		165.0000				U-nat [5.7768E-01 kg]	4.35590E+01	1.5176E+01	4.1015E-01	
												Subtotal		1.5575E+01	4.2094E-01	
												Total Source [6.5617E-01 kg]		1.5575E+01	4.2094E-01	
4320/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3236	10786.4273	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3236	100	OXIDES/NONE	0.00	Th-230 [1.1198E-07 kg]	2.18546E-01	8.7006E-02	2.3515E-03	AU
												Th-232 [8.5510E-02 kg]	8.74184E-01	3.4803E-01	9.4061E-03	
		188.0000	11.8900	0.0300	<2.2000E+02	<2.2000E+03		188.0000				U-nat [1.1332E-01 kg]	7.47726E+00	2.9768E+00	8.0454E-02	
												Subtotal		3.4118E+00	9.2212E-02	
												Total Source [1.9882E-01 kg]		3.4118E+00	9.2212E-02	
4322/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10450.7689	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [1.5722E-07 kg]	3.16738E-01	1.2216E-01	3.3016E-03	AU
												Th-232 [1.2006E-01 kg]	1.26695E+00	4.8866E-01	1.3207E-02	
		182.0000	11.5200	0.0200	<2.2000E+02	<2.2000E+03		182.0000				U-nat [1.9496E-01 kg]	1.32795E+01	5.1215E+00	1.3842E-01	
												Subtotal		5.7323E+00	1.5493E-01	
												Total Source [3.1502E-01 kg]		5.7323E+00	1.5493E-01	
4323/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2953	10750.1399	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2953	100	OXIDES/NONE	0.00	Th-230 [1.8235E-07 kg]	3.57092E-01	1.4168E-01	3.8293E-03	AU
												Th-232 [1.3925E-01 kg]	1.42837E+00	5.6673E-01	1.5317E-02	
		187.0000	11.8500	0.0200	<2.2000E+02	<2.2000E+03		187.0000				U-nat [9.9154E-01 kg]	6.56498E+01	2.6048E+01	7.0399E-01	
												Subtotal		2.6756E+01	7.2314E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-483

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [1.1308E+00 kg]		2.6756E+01	7.2314E-01	
4334/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10532.4155	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [1.0490E-07 kg]	2.09681E-01	8.1504E-02	2.2028E-03	AU
		184.0000	11.6100	0.0200	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [8.0102E-02 kg]	8.38723E-01	3.2602E-01	8.8113E-03	
												U-nat [2.1569E-01 kg]	1.45770E+01	5.6662E+00	1.5314E-01	
												Subtotal		6.0737E+00	1.6415E-01	
												Total Source [2.9579E-01 kg]		6.0737E+00	1.6415E-01	
Shipment Totals		45.0805	91339.9017									Source [4.0457E+00 kg]		7.9835E+01	2.1577E+00	
		1592.0000	100.6850													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-483
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-483
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1484E+00	3.1037E-02
Th-232	4.5935E+00	1.2415E-01
U-nat	7.4093E+01	2.0025E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-483
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MRMX-2070
☑ GENERATOR TYPE (Specify) 1

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 11/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-483

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65379

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/1/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Rake GTEOSI DATE: 11/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4799E+00	6.7024E-02	NA	19370 LBS; 153 FT3	3146
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5883E+00	2.0509E-01	NA	21930 LBS; 173 FT3	4223
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3811E+00	1.4544E-01	NA	22860 LBS; 181 FT3	4283
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8359E+00	1.8476E-01	NA	22650 LBS; 179 FT3	4284
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5575E+01	4.2094E-01	NA	20820 LBS; 165 FT3	4289
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4118E+00	9.2212E-02	NA	23780 LBS; 188 FT3	4320

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
84C-01-483	LIRR	MRMX 2070

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Ormacola

Shipment Date 11/11/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	2070

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4289	20820
	Liner		0
			Total:
			20820
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MRMX 2070

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4283	22860
	Liner	4284	22650
			Total:
			45510
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11369

Date: 11/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11369

Load in Gondola # MRMX 2070

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	3146	19370
	Liner	4223	21930
			Total:
			41300
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI	Neal Sw		11/11/2003
Transporter	Signature		Date
Priority Transport	R Ameto		11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	2070

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4322	23040
	Liner	4323	23700
			Total:
			46740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11369	Date: 11/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11369	Load in Gondola # MRMX
Emergency Contact:	CHEMTREC 800-424-9300	2070

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	Liner	4334	23220
	Liner	4320	23780
			Total:
			47000
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/11/2003
Transporter	Signature		Date
Priority Transport			11/11/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/11/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3146		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4223		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4283		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4284		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4289		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4320		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4322		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4323		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4334		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MRMX	Shipment #	203200	23220	23780	23040	23700	19370	21930	22860	22650	20820
	0840-01-483	Bag #	4334	4320	4322	4323	3146	4223	4283	4284	4289
	Storage Loc.						avg o one				
2070	11/11/2003	203200	179980	156200	133160	109460	90090	68160	45300	22650	1830

Averaging over a Gondola PCE Results			
Bagnum	Total		
3146	158.753		
4334	0.174		
4320	0.133		
4322	0.185		
4323	0.365		
4223	0.082		
4283	0.107		
4284	0.127		
4289	0.093		
Total	160.02		

MRMX-2070

0840-01-~~478~~ ~~484~~ 483

Shipment Survey

Survey Number: GTEOSI 8706 Date: 10-23-03 Time: 1100

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4101 Storage Bin: 100 AISLE Gross Weight: 20260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	37	<MDA
2	~~0~~		23	
3	2		25	
4	1		31	
5	~~0~~		31	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06499-S-14X144101-06.0

Date: 10/23/03 Time:1145

10-23-03 11:00 Bag# 4101

20260 lb GR

102303 1100 4101 0020260

Shipment Survey

Survey Number: GTEOSI 9045 Date: 11-7-03 Time: 1237

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4272 Storage Bin: 49 Gross Weight: 20360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .025 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	37	<MDA
2	~~0~~		36	
3	~~0~~		20	
4	1		35	
5	1		25	
6	~~0~~		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

05985-S-110204272-18.0
Date: 11/07/03 Time:1205

11-07-03 12:37 Bag# 4272
20360 lb GR
110703 1237 4272 0020360

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8889 Date: 10-30-03 Time: 1303

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4287 Storage Bin: 41 Gross Weight: 20650 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

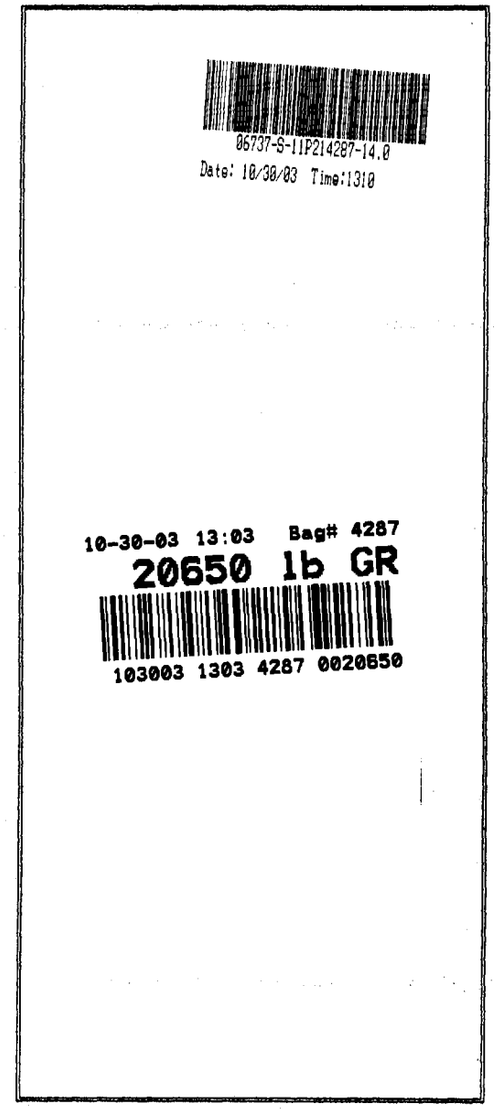
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	35	<MDA
2	0		37	
3	3		35	
4	1		27	
5	1		24	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval



NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8894 Date: 10-30-03 Time: 1338

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4290 Storage Bin: 42 Gross Weight: 21170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	27	<MDA
2	0		30	
3	2		25	
4	1		31	
5	1		31	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

86740-S-11Q214290-16.0
Date: 10/30/03 Time:1346

10-30-03 13:38 Bag# 4290
21170 lb GR
103003 1338 4290 0021170

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8895 Date: 10-30-03 Time: 1346

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4293 Storage Bin: 42 Gross Weight: 20550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	27	<MDA
2	2		22	
3	0		23	
4	0		35	
5	2		31	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage Debra LeSage

Surveyor Name Surveyor Signature

Supervisor Approval

06742-S-110204293-03.0
Date: 10/30/03 Time: 1354

10-30-03 13:46 Bag# 4293
20550 lb GR
103003 1346 4293 0020550

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8900 Date: 10-31-03 Time: 1100

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4295 Storage Bin: 43 Gross Weight: 18010 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	27	<MDA
2	0		20	
3	4		29	
4	1		31	
5	0		22	
6	0	✓	29	✓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LPage
Surveyor Signature

[illegible] on behalf of R. Humphrey
Supervisor Approval

06806-S-110214295-15.0
Date: 10/31/03 Time:1155

10-31-03 11:00 Bag# 4295
18010 lb GR
103103 1100 4295 0018010

Shipment Survey

Survey Number: GTEOSI - 8997 Date: 11-04-03 Time: 1313

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4394 Storage Bin: 100 AISLE Gross Weight: 23950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	0		31	
3	0		34	
4	0		33	
5	1		22	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage / DQ
Surveyor Signature

[illegible] on behalf of R Hepping
Supervisor Approval

06919-S-11P214394-20.0
Date: 11/04/03 Time:1437

11-04-03 13:13 Bag# 4394
23950 lb GR
110403 1313 4394 0023950

Shipment Survey

Survey Number: GTEOSI 9044 Date: 11-7-03 Time: 1136

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4442 Storage Bin: 49 Gross Weight: 21860 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 1.015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	30	LMDA
2	0		30	
3	0		30	
4	0		32	
5	0		28	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L. LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06982-S-110204442-18.0

Date: 11/07/03 Time:1058

11-07-03 11:36 Bag# 4442

21860 lb GR

110703 1136 4442 0021860

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9048 Date: 11-7-03 Time: 1331

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4445 Storage Bin: 50 Gross Weight: 20750 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

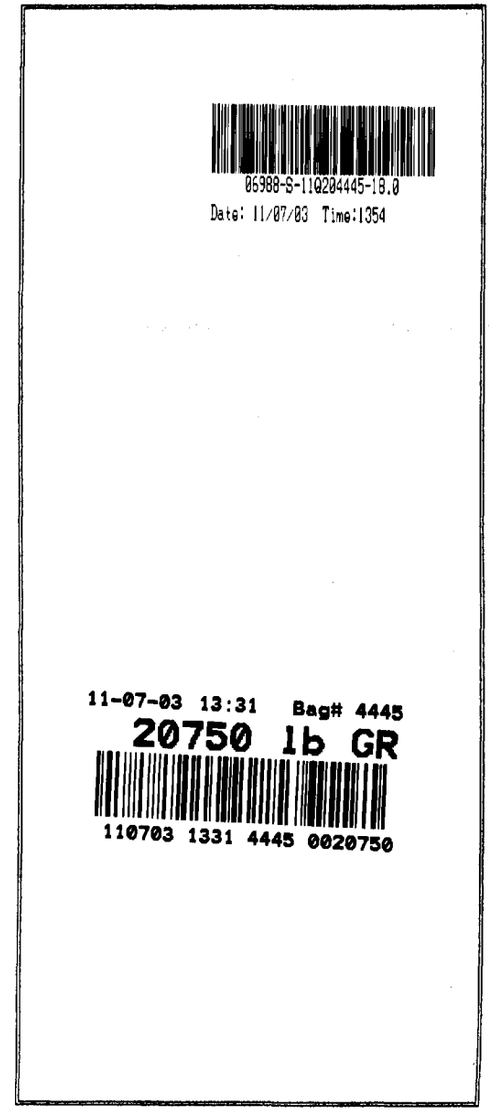
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	24	<MDA
2	0		31	
3	2		26	
4	0		21	
5	0		16	
6	1		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval



FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-484
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5200

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*
DATE: 11/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-484

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6801E+00	1.2649E-01	NA	20260 LBS; 160 FT3	4101
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.4871E+00	2.5641E-01	NA	20360 LBS; 161 FT3	4272
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9911E+00	1.3489E-01	NA	20650 LBS; 163 FT3	4287
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.0216E+00	2.1680E-01	NA	21170 LBS; 167 FT3	4290
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4250E+00	1.7365E-01	NA	20550 LBS; 162 FT3	4293
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8743E+01	5.0655E-01	NA	18010 LBS; 142 FT3	4295

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-484

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4973E+00	2.0263E-01	NA	23950 LBS; 189 FT3	4394
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5550E+01	4.2028E-01	NA	21860 LBS; 173 FT3	4442
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0429E+01	2.8184E-01	NA	20750 LBS; 164 FT3	4445

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 41.9372 / ft3 1481.0000	kg 84749.2040 / ton 93.4200	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	8.5824E+01	NP	NP	NP	NP	(kg)	4.1473E+00
mCi	2.3195E+00	NP	NP	NP	NP	(tons)	4.5717E-03

2. MANIFEST NUMBER 0840-01-484

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-484

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4101/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9189.7820	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [6.9989E-08 kg]	1.60426E-01	5.4383E-02	1.4698E-03	AU
		160.0000	10.1300	0.0100	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [5.3446E-02 kg]	6.41702E-01	2.1753E-01	5.8791E-03	
												U-nat [1.6781E-01 kg]	1.30044E+01	4.4082E+00	1.1914E-01	
												Subtotal		4.6801E+00	1.2649E-01	
												Total Source [2.2125E-01 kg]		4.6801E+00	1.2649E-01	
4272/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9235.1413	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [1.6636E-07 kg]	3.79433E-01	1.2926E-01	3.4935E-03	AU
		161.0000	10.1800	0.0250	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [1.2704E-01 kg]	1.51773E+00	5.1704E-01	1.3974E-02	
												U-nat [3.3654E-01 kg]	2.59518E+01	8.8408E+00	2.3894E-01	
												Subtotal		9.4871E+00	2.5641E-01	
												Total Source [4.6357E-01 kg]		9.4871E+00	2.5641E-01	
4287/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9366.6831	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [7.3092E-08 kg]	1.64362E-01	5.6791E-02	1.5349E-03	AU
		163.0000	10.3250	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [5.5816E-02 kg]	6.57447E-01	2.2717E-01	6.1398E-03	
												U-nat [1.7919E-01 kg]	1.36229E+01	4.7071E+00	1.2722E-01	
												Subtotal		4.9911E+00	1.3489E-01	
												Total Source [2.3500E-01 kg]		4.9911E+00	1.3489E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-484

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4290/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9602.5511	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [3.3226E-07 kg]	7.28723E-01	2.5816E-01	6.9774E-03	AU
		167.0000	10.5850	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [2.5373E-01 kg]	2.91489E+00	1.0327E+00	2.7910E-02	
												U-nat [2.5622E-01 kg]	1.89991E+01	6.7307E+00	1.8191E-01	
												Subtotal		8.0216E+00	2.1680E-01	
												Total Source [5.0994E-01 kg]		8.0216E+00	2.1680E-01	
4293/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9321.3238	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [7.6833E-08 kg]	1.73617E-01	5.9700E-02	1.6135E-03	AU
		162.0000	10.2750	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [5.8672E-02 kg]	6.94468E-01	2.3880E-01	6.4540E-03	
												U-nat [2.3321E-01 kg]	1.78167E+01	6.1265E+00	1.6558E-01	
												Subtotal		6.4250E+00	1.7365E-01	
												Total Source [2.9188E-01 kg]		6.4250E+00	1.7365E-01	
4295/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0210	8169.1991	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0210	100	OXIDES/NONE	0.00	Th-230 [8.8742E-08 kg]	2.28936E-01	6.8953E-02	1.8636E-03	AU
		142.0000	9.0050	0.0150	<2.2000E+02	<2.2000E+03		142.0000				Th-232 [6.7767E-02 kg]	9.15745E-01	2.7581E-01	7.4544E-03	
												U-nat [7.0032E-01 kg]	6.10825E+01	1.8398E+01	4.9723E-01	
												Subtotal		1.8743E+01	5.0655E-01	
												Total Source [7.6808E-01 kg]		1.8743E+01	5.0655E-01	
4394/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3519	10863.5380	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3519	100	OXIDES/NONE	0.00	Th-230 [9.2376E-08 kg]	1.79007E-01	7.1776E-02	1.9399E-03	AU
		189.0000	11.9750	0.0100	<2.2000E+02	<2.2000E+03		189.0000				Th-232 [7.0542E-02 kg]	7.16028E-01	2.8711E-01	7.7596E-03	
												U-nat [2.7174E-01 kg]	1.78032E+01	7.1384E+00	1.9293E-01	
												Subtotal		7.4973E+00	2.0263E-01	
												Total Source [3.4228E-01 kg]		7.4973E+00	2.0263E-01	
4442/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9915.5299	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [4.3530E-07 kg]	9.24468E-01	3.3823E-01	9.1413E-03	AU
		173.0000	10.9300	0.0150	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [3.3241E-01 kg]	3.69787E+00	1.3529E+00	3.6565E-02	
												U-nat [5.2756E-01 kg]	3.78804E+01	1.3859E+01	3.7457E-01	
												Subtotal		1.5550E+01	4.2028E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-484

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2)		11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
					ALPHA	BETA-GAMMA						RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [8.5997E-01 kg]		1.5550E+01	4.2028E-01	
4445/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9412.0423	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [9.4856E-08 kg]	2.12270E-01	7.3704E-02	1.9920E-03	AU
		164.0000	10.3750	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [7.2436E-02 kg]	8.49078E-01	2.9481E-01	7.9679E-03	
												U-nat [3.8293E-01 kg]	2.89718E+01	1.0060E+01	2.7188E-01	
												Subtotal		1.0429E+01	2.8184E-01	
												Total Source [4.5536E-01 kg]		1.0429E+01	2.8184E-01	
Shipment Totals		41.9372	85075.7906									Source [4.1473E+00 kg]		8.5824E+01	2.3195E+00	
		1481.0000	93.7800													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-484
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-484
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1110E+00	3.0026E-02
Th-232	4.4438E+00	1.2010E-01
U-nat	8.0268E+01	2.1694E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A-
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-484
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5200

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 11/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-484

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 11-26-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6801E+00	1.2649E-01	NA	20260 LBS; 160 FT3	4101
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.4871E+00	2.5641E-01	NA	20360 LBS; 161 FT3	4272
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9911E+00	1.3489E-01	NA	20650 LBS; 163 FT3	4287
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.0216E+00	2.1680E-01	NA	21170 LBS; 167 FT3	4290
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4250E+00	1.7365E-01	NA	20550 LBS; 162 FT3	4293
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8743E+01	5.0655E-01	NA	18010 LBS; 142 FT3	4295

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-484	LIRR	MHFX 5200

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	✓		Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Omacek 11/12/03

Shipment Date

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

Shipment Number- 0840-01-484, 0840-04-002, 0840-03-008

Truck Number- 36, 38

Trailer Number- 225, 226

A qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the corresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) class 9, 3077 ☑
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-12-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5200

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4445	20740
			0
		Total:	20740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/12/2003
Transporter	Signature		Date
Priority Transport			11/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5200

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4290	21170
		4295	18010
		Total:	39180
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/12/2003
Transporter	Signature		Date
Priority Transport	G. Amato		11/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5200

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4101	20260
		4394	23950
		Total:	44210
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/12/2003
Transporter	Signature		Date
Priority Transport			11/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5200

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4272	20360
		4442	21860
		Total:	42220
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/12/2003
Transporter	Signature		Date
Priority Transport			11/12/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/12/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5200

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4293	20550
		4287	20650
		Total:	41200
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/12/2003
Transporter	Signature		Date
Priority Transport			11/12/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	201900	20550	20650	21170	18010	20260	23950	20360	21860	**20740**
	0840-01-484	Bag #	4293	4287	4290	4295	4101	4394	4272	4442	4445
	Storage Loc.		x	x	x	x	x	x	x	x	x
5200	11/12/2003	201900	181350	160700	139530	121520	101260	77310	56950	35090	14350

Daily Shipping checklist for Trucks and Packages

Date: 11/12/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		MS	
2		MS	

Gondola has been inspected for proper marking and labeling. Int. MS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4101		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4272		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4287		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4290		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4293		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4295		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4394		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4442		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4445		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8964 Date: 11-3-03 Time: 1621

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4361 Storage Bin: 43 Gross Weight: 23140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	13	<MDA
2	0		35	
3	1		19	
4	0		30	
5	2		29	
6	0		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE Page
Surveyor Name

Surveyor Signature

Supervisor Approval in lieu of R. Hopping

06882-S-11P214361-15.0
Date: 11/03/03 Time:1632

11-03-03 16:21 Bag# 4361
23140 lb GR
110303 1621 4361 0023140

Shipment Survey

Survey Number: GTEOSI 8977 Date: 11-4-03 Time: 1019

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4375 Storage Bin: 100 AISLE Gross Weight: 21530 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	3	<MDA	21	<MDA
2	0		24	
3	0		31	
4	0		26	
5	0		29	
6	0		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DebRA LePage — Surveyor Name

Debra L Page / Bruce Goro — Surveyor Signature

Supervisor Approval — in lieu of R Happeny

06895-S-11P224375-22.0

Date: 11/04/03 Time:1038

11-04-03 10:19 Bag# 4375

21530 lb GR

110403 1019 4375 0021530

Shipment Survey

Survey Number: GTEOSI-8979 Date: 11-4-03 Time: 1033

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4378 Storage Bin: 100 AISLE Gross Weight: 22810 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	34	<MDA
2	0		20	
3	1		28	
4	0		36	
5	0		29	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage / DL

Surveyor Name — Surveyor Signature

Supervisor Approval — on behalf of R Hoppring

06897-S-11P224378-22.0

Date: 11/04/03 Time:1045

11-04-03 10:33 Bag# 4378

22810 lb GR

110403 1033 4378 0022810

Shipment Survey

Survey Number: GTEOSI-8991 Date: 11-4-03 Time: 1250

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4390 Storage Bin: 100 AISLE Gross Weight: 22720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	3	<MDA	30	<MDA
2	0		28	
3	0		28	
4	0		32	
5	0		25	
6	0	✓	28	✓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage / DQ
Surveyor Name — Surveyor Signature

Supervisor Approval

06916-S-11Q214390-20.0
Date: 11/04/03 Time:1429

11-04-03 12:50 Bag# 4390
22720 lb GR
110403 1250 4390 0022720

Shipment Survey

Survey Number: GTEOSI 9038 Date: 11-06-03 Time: 1526

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4436 Storage Bin: 47 Gross Weight: 21470 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	27	<MDA
2	Ø		26	
3	Ø		32	
4	Ø		26	
5	Ø		21	
6	Ø		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06971-S-110204436-14.0
Date: 11/06/03 Time:1539

11-06-03 15:26 Bag# 4436
21470 lb GR
110603 1526 4436 0021470

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9040 Date: 11-7-03 Time: 0957

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4438 Storage Bin: 48 Gross Weight: 21160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	24	<MDA
2	0		22	
3	0		31	
4	0		28	
5	0		27	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06978-S-110204438-18.0

Date: 11/07/03 Time:1028

11-07-03 9:57 Bag# 4438

21160 lb GR

110703 0957 4438 0021160

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9041 Date: 11-7-03 Time: 1006

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4439 Storage Bin: 48 Gross Weight: 17950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	28	<MDA
2	0		18	
3	1		26	
4	0		33	
5	0		28	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

06980-S-110204439-18.0
Date: 11/07/03 Time: 1042

11-07-03 10:07 Bag# 4439
17950 lb GR
110703 1007 4439 0017950

Shipment Survey

Survey Number: GTEOSI 9050 Date: 11-7-03 Time: 1343

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4447 Storage Bin: 50 Gross Weight: 22350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	19	<MDA
2	0		30	
3	0		32	
4	2		30	
5	0		29	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

86990-S-110214447-18.0
Date: 11/07/03 Time:1359

11-07-03 13:43 Bag# 4447
22350 lb GR
110703 1343 4447 0022350

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9051 Date: 11-7-03 Time: 1420

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4448 Storage Bin: 50 Gross Weight: 19640 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	35	<MDA
2	0		20	
3	0		31	
4	0		26	
5	0		29	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

86991-S-110214448-18.0
Date: 11/07/03 Time:1402

11-07-03 14:20 Bag# 4448
19640 lb GR
110703 1420 4448 0019640

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-485
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101453

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/13/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George P. Amato
DATE: 11/13/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-485

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/13/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.3412E+00	2.2544E-01	NA	23140 LBS; 183 FT3	4361
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2025E+00	1.1358E-01	NA	21530 LBS; 170 FT3	4375
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6373E+01	4.4251E-01	NA	22810 LBS; 180 FT3	4378
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0313E+00	1.0896E-01	NA	22720 LBS; 180 FT3	4390
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4217E+01	3.8424E-01	NA	21470 LBS; 170 FT3	4436
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5769E+00	9.6672E-02	NA	21160 LBS; 167 FT3	4438

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-485

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.7060E+00	1.8124E-01	NA	17950 LBS; 142 FT3	4439
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6799E+00	9.9457E-02	NA	22350 LBS; 177 FT3	4447
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0052E+00	1.6230E-01	NA	19640 LBS; 155 FT3	4448

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.1549 / ft3 1524.0000	kg 87112.4203 / ton 96.0250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.7133E+01	NP	NP	NP	NP	(kg)	3.2826E+00
mCi	1.8144E+00	NP	NP	NP	NP	(tons)	3.6185E-03

2. MANIFEST NUMBER 0840-01-485

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-485

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4361/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10496.1281	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [1.5828E-07 kg]	3.17482E-01	1.2298E-01	3.3238E-03	AU
		183.0000	11.5700	0.0100	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [1.2087E-01 kg]	1.26993E+00	4.9192E-01	1.3295E-02	
												U-nat [2.9412E-01 kg]	1.99464E+01	7.7263E+00	2.0882E-01	
												Subtotal		8.3412E+00	2.2544E-01	
												Total Source [4.1498E-01 kg]		8.3412E+00	2.2544E-01	
4375/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9765.8444	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.0087E-07 kg]	2.17518E-01	7.8377E-02	2.1183E-03	AU
		170.0000	10.7650	0.0100	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [7.7027E-02 kg]	8.70071E-01	3.1350E-01	8.4730E-03	
												U-nat [1.4506E-01 kg]	1.05759E+01	3.8106E+00	1.0299E-01	
												Subtotal		4.2025E+00	1.1358E-01	
												Total Source [2.2209E-01 kg]		4.2025E+00	1.1358E-01	
4378/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10346.4426	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [1.0637E-07 kg]	2.16454E-01	8.2647E-02	2.2337E-03	AU
		180.0000	11.4050	0.0100	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [8.1225E-02 kg]	8.65816E-01	3.3058E-01	8.9347E-03	
												U-nat [6.0752E-01 kg]	4.17991E+01	1.5960E+01	4.3134E-01	
												Subtotal		1.6373E+01	4.4251E-01	
												Total Source [6.8875E-01 kg]		1.6373E+01	4.4251E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-485

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4390/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10305.6193	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [1.3462E-07 kg]	2.75035E-01	1.0460E-01	2.8270E-03	AU
		180.0000	11.3600	0.0100	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [1.0280E-01 kg]	1.10014E+00	4.1840E-01	1.1308E-02	
												U-nat [1.3355E-01 kg]	9.22505E+00	3.5083E+00	9.4820E-02	
												Subtotal		4.0313E+00	1.0896E-01	
												Total Source [2.3635E-01 kg]		4.0313E+00	1.0896E-01	
4436/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9738.6288	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [2.2449E-07 kg]	4.85461E-01	1.7443E-01	4.7143E-03	AU
		170.0000	10.7350	0.0100	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.7143E-01 kg]	1.94184E+00	6.9771E-01	1.8857E-02	
												U-nat [5.0799E-01 kg]	3.71404E+01	1.3345E+01	3.6067E-01	
												Subtotal		1.4217E+01	3.8424E-01	
												Total Source [6.7942E-01 kg]		1.4217E+01	3.8424E-01	
4438/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9598.0152	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.4000E-07 kg]	3.07199E-01	1.0878E-01	2.9400E-03	AU
		167.0000	10.5800	0.0100	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [1.0691E-01 kg]	1.22879E+00	4.3512E-01	1.1760E-02	
												U-nat [1.1545E-01 kg]	8.56527E+00	3.0330E+00	8.1972E-02	
												Subtotal		3.5769E+00	9.6672E-02	
												Total Source [2.2236E-01 kg]		3.5769E+00	9.6672E-02	
4439/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0210	8141.9836	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0210	100	OXIDES/NONE	0.00	Th-230 [4.2209E-08 kg]	1.09255E-01	3.2796E-02	8.8639E-04	AU
		142.0000	8.9750	0.0100	<2.2000E+02	<2.2000E+03		142.0000				Th-232 [3.2232E-02 kg]	4.37021E-01	1.3118E-01	3.5455E-03	
												U-nat [2.4902E-01 kg]	2.17931E+01	6.5420E+00	1.7681E-01	
												Subtotal		6.7060E+00	1.8124E-01	
												Total Source [2.8126E-01 kg]		6.7060E+00	1.8124E-01	
4447/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10137.7901	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [8.2411E-08 kg]	1.71170E-01	6.4032E-02	1.7306E-03	AU
		177.0000	11.1750	0.0200	<2.2000E+02	<2.2000E+03		177.0000				Th-232 [6.2932E-02 kg]	6.84681E-01	2.5613E-01	6.9225E-03	
												U-nat [1.2789E-01 kg]	8.98109E+00	3.3597E+00	9.0804E-02	
												Subtotal		3.6799E+00	9.9457E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-485

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [1.9083E-01 kg]		3.6799E+00	9.9457E-02	
4448/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.3891 155.0000	8908.5547 9.8200	0.0002 0.0150	<3.6740E-06 <2.2000E+02	<3.6740E-05 <2.2000E+03	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891 155.0000	100	OXIDES/NONE	0.00	Th-230 [1.9164E-07 kg] Th-232 [1.4634E-01 kg] U-nat [2.0025E-01 kg] Subtotal	4.53191E-01 1.81277E+00 1.60103E+01	1.4891E-01 5.9563E-01 5.2607E+00 6.0052E+00	4.0245E-03 1.6098E-02 1.4218E-01 1.6230E-01	AU
												Total Source [3.4659E-01 kg]		6.0052E+00	1.6230E-01	
Shipment Totals		43.1549 1524.0000	87439.0068 96.3850									Source [3.2826E+00 kg]		6.7133E+01	1.8144E+00	

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-485
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-485
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	9.1754E-01	2.4798E-02
Th-232	3.6702E+00	9.9194E-02
U-nat	6.2545E+01	1.6904E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A-
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-485
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101453

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/13/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: Daryl P. Lincoln
DATE: 11/13/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-485

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L65372
DATE: 12-1-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker DATE: 11/13/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.3412E+00	2.2544E-01	NA	23140 LBS; 183 FT3	4361
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2025E+00	1.1358E-01	NA	21530 LBS; 170 FT3	4375
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6373E+01	4.4251E-01	NA	22810 LBS; 180 FT3	4378
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0313E+00	1.0896E-01	NA	22720 LBS; 180 FT3	4390
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4217E+01	3.8424E-01	NA	21470 LBS; 170 FT3	4436
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5769E+00	9.6672E-02	NA	21160 LBS; 167 FT3	4438

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
F4c.01-485	LIRR	JTSX 101453

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	✓		Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)			Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kink's or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaculi 11/13/03

Shipment Date

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ıipment Number- 0840-01-485, 486, 487

uck Number- 36, 38

ailer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the ırresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~NA~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~NA~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature Neal Sm
Shipment Date 11-13-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101453

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4361	23140
		4378	22810
		Total:	45950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101453

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4439	17950
			0
		Total:	17950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101453

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4436	21470
		4438	21160
		Total:	42630
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101453

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4447	22350
		4448	19640
		Total:	41990
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101453

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4375	21530
		4390	22720
		Total:	44250
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/13/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4361		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4375		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4378		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4390		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4436		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4438		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4439		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4447		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4448		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	201000	23140	22810	21530	22720	22350	19640	21470	21160	17950
	0840-01-485	Bag #	4361	4378	4375	4390	4447	4448	4436	4438	4439
	Storage Loc.										
101453	11/13/2003	201000	177860	155050	133520	110800	88450	68810	47340	26180	8230

Shipment Survey

Survey Number: GTEOSI-8980 Date: 11-4-03 Time: 1043

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4379 Storage Bin: 100 AISLE Gross Weight: 23480 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		26	
3	0		22	
4	0		18	
5	0		23	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06902-S-11P224379-22.0
Date: 11/04/03 Time: 1137

11-04-03 10:43 Bag# 4379
23480 lb GR
110403 1043 4379 0023480

Shipment Survey

Survey Number: GTEOSI 9004 Date: 11-5-03 Time: 1112

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4402 Storage Bin: 54 Gross Weight: 18880 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	30	<MDA
2	~~0~~		24	
3	~~0~~		20	
4	~~0~~		24	
5	~~0~~		28	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page
Surveyor Name — Surveyor Signature

Supervisor Approval

06930-S-11N224402-04.0
Date: 11/05/03 Time:1104

11-05-03 11:12 Bag# 4402
18880 lb GR
110503 1112 4402 0018880

Shipment Survey

Survey Number: GTEOSI 9005 Date: 11-5-03 Time: 1119

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4403 Storage Bin: 55 Gross Weight: 20590 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	27	<MDA
2	0		21	
3	1		28	
4	0		27	
5	0		25	
6	1		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page
Surveyor Name — Surveyor Signature

Supervisor Approval

06931-S-11N224403-04.0
Date: 11/05/03 Time:1123

11-05-03 11:20 Bag# 4403
20590 lb GR
110503 1120 4403 0020590

Shipment Survey

Survey Number: GTEOSI 9006 Date: 11-5-03 Time: 1123

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4404 Storage Bin: 55 Gross Weight: 20760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 1015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	38	<MDA
2	Ø		24	
3	Ø		18	
4	Ø		23	
5	Ø		21	
6	Ø		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06932-S-11N224404-04.0
Date: 11/05/03 Time:1129

11-05-03 11:23 Bag# 4404
20760 lb GR
110503 1123 4404 0020760

Shipment Survey

Survey Number: GTEOSI 9035 Date: 11-6-03 Time: 1457

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4431 Storage Bin: 46 Gross Weight: 20760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	26	<MDA
2	Ø		25	
3	Ø		24	
4	Ø		19	
5	Ø		17	
6	Ø		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06966-S-110204431-14.0

Date: 11/06/03 Time:1502

11-06-03 14:57 Bag# 4431

20760 lb GR

110603 1457 4431 0020760

Shipment Survey

Survey Number: GTEOSI 9034 Date: 11-6-03 Time: 1502

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 44434 Storage Bin: 46 Gross Weight: 21070 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	0		23	
3	0		26	
4	1		29	
5	0		27	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage Debra L. Page
Surveyor Name Surveyor Signature

Supervisor Approval

06968-S-11G204434-14.0
Date: 11/06/03 Time:1509

11-06-03 15:02 Bag# 4434
21070 lb GR
110603 1502 4434 0021070

Shipment Survey

Survey Number: GTEOSI 9042 Date: 11-7-03 Time: 1014

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4440 Storage Bin: 48 Gross Weight: 19520 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	39	<MDA
2	0		18	
3	1		32	
4	0		23	
5	0		25	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06979-S-110204440-18.0

Date: 11/07/03 Time:1031

11-07-03 10:14 Bag# 4440

19520 lb GR

110703 1014 4440 0019520

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9043 Date: 11-7-03 Time: 1035

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4441 Storage Bin: 48 Gross Weight: 19160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	34	<MDA
2	1		25	
3	0		22	
4	0		29	
5	0		21	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06981-S-110204441-18.0

Date: 11/07/03 Time:1055

11-07-03 10:35 Bag# 4441

19160 lb GR

110703 1035 4441 0019160

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9046 Date: 11-7-03 Time: 1314

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4443 Storage Bin: 49 Gross Weight: 20780 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .05 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	44	<MDA
2	~~0~~		20	
3	~~0~~		21	
4	~~0~~		34	
5	1		18	
6	2		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06986-S-11Q204443-18.0
Date: 11/07/03 Time:1315

11-07-03 13:14 Bag# 4443
20780 lb GR
110703 1314 4443 0020780

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9047 Date: 11-7-03 Time: 1324

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4444 Storage Bin: 46 Gross Weight: 22380 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	22	<MDA
2	~~0~~		21	
3	~~0~~		23	
4	~~0~~		23	
5	~~0~~		28	
6	1		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06987-S-110204444-18.0

Date: 11/07/03 Time:1318

11-07-03 13:24 Bag# 4444

22380 lb GR

110703 1324 4444 0022380

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-486
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100027
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/13/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George P. Amato
DATE: 11/13/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-486

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOST DATE: 11/13/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1640E+01	3.1461E-01	NA	23480 LBS; 186 FT3	4379
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0444E+00	1.3633E-01	NA	18880 LBS; 149 FT3	4402
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2403E+00	1.1460E-01	NA	20590 LBS; 163 FT3	4403
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2157E+01	3.2856E-01	NA	20760 LBS; 164 FT3	4404
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1765E+01	3.1797E-01	NA	20760 LBS; 164 FT3	4431
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4085E+00	6.5094E-02	NA	21070 LBS; 167 FT3	4434

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-486

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2851E+01	3.4734E-01	NA	19520 LBS; 154 FT3	4440
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.2938E+00	2.2416E-01	NA	19160 LBS; 151 FT3	4441
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.0594E+00	8.2685E-02	NA	20780 LBS; 164 FT3	4443
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0960E+00	1.6476E-01	NA	22380 LBS; 177 FT3	4444

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 46.4113 / ft3 1639.0000	kg 93703.1180 / ton 103.2900	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.7556E+01	NP	NP	NP	NP	(kg)	3.8054E+00
mCi	2.0961E+00	NP	NP	NP	NP	(tons)	4.1947E-03

2. MANIFEST NUMBER 0840-01-486

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-486

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4379/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2669	10650.3496	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2669	100	OXIDES/NONE	0.00	Th-230 [8.1964E-08 kg]	1.62021E-01	6.3688E-02	1.7213E-03	AU
		186.0000	11.7400	0.0100	<2.2000E+02	<2.2000E+03		186.0000				Th-232 [6.2591E-02 kg]	6.48085E-01	2.5475E-01	6.8850E-03	
												U-nat [4.3098E-01 kg]	2.88034E+01	1.1322E+01	3.0600E-01	
												Subtotal		1.1640E+01	3.1461E-01	
												Total Source [4.9357E-01 kg]		1.1640E+01	3.1461E-01	
4402/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8563.8245	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [7.6978E-08 kg]	1.89397E-01	5.9811E-02	1.6165E-03	AU
		149.0000	9.4400	0.0100	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [5.8783E-02 kg]	7.57589E-01	2.3925E-01	6.4662E-03	
												U-nat [1.8064E-01 kg]	1.50265E+01	4.7453E+00	1.2825E-01	
												Subtotal		5.0444E+00	1.3633E-01	
												Total Source [2.3942E-01 kg]		5.0444E+00	1.3633E-01	
4403/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9339.4675	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [9.7738E-08 kg]	2.20426E-01	7.5943E-02	2.0525E-03	AU
		163.0000	10.2950	0.0100	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [7.4636E-02 kg]	8.81702E-01	3.0377E-01	8.2100E-03	
												U-nat [1.4695E-01 kg]	1.12050E+01	3.8606E+00	1.0434E-01	
												Subtotal		4.2403E+00	1.1460E-01	
												Total Source [2.2159E-01 kg]		4.2403E+00	1.1460E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-486

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4404/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9416.5782	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.4789E-07 kg]	3.30780E-01	1.1491E-01	3.1056E-03	AU
		164.0000	10.3800	0.0150	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.1293E-01 kg]	1.32312E+00	4.5961E-01	1.2422E-02	
												U-nat [4.4088E-01 kg]	3.33408E+01	1.1582E+01	3.1303E-01	
												Subtotal		1.2157E+01	3.2856E-01	
												Total Source [5.5381E-01 kg]		1.2157E+01	3.2856E-01	
4431/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9416.5782	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.2130E-07 kg]	2.71312E-01	9.4250E-02	2.5473E-03	AU
		164.0000	10.3800	0.0150	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [9.2628E-02 kg]	1.08525E+00	3.7699E-01	1.0189E-02	
												U-nat [4.2990E-01 kg]	3.25104E+01	1.1294E+01	3.0523E-01	
												Subtotal		1.1765E+01	3.1797E-01	
												Total Source [5.2253E-01 kg]		1.1765E+01	3.1797E-01	
4434/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9557.1919	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [3.2537E-08 kg]	7.17021E-02	2.5281E-02	6.8328E-04	AU
		167.0000	10.5350	0.0150	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [2.4847E-02 kg]	2.86809E-01	1.0112E-01	2.7331E-03	
												U-nat [8.6871E-02 kg]	6.47236E+00	2.2821E+00	6.1678E-02	
												Subtotal		2.4085E+00	6.5094E-02	
												Total Source [1.1172E-01 kg]		2.4085E+00	6.5094E-02	
4440/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8854.1236	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [2.2146E-07 kg]	5.26950E-01	1.7208E-01	4.6507E-03	AU
		154.0000	9.7600	0.0100	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [1.6912E-01 kg]	2.10780E+00	6.8831E-01	1.8603E-02	
												U-nat [4.5647E-01 kg]	3.67211E+01	1.1991E+01	3.2409E-01	
												Subtotal		1.2851E+01	3.4734E-01	
												Total Source [6.2559E-01 kg]		1.2851E+01	3.4734E-01	
4441/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2758	8690.8304	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2758	100	OXIDES/NONE	0.00	Th-230 [3.8558E-07 kg]	9.34752E-01	2.9959E-01	8.0971E-03	AU
		151.0000	9.5800	0.0150	<2.2000E+02	<2.2000E+03		151.0000				Th-232 [2.9444E-01 kg]	3.73901E+00	1.1984E+00	3.2389E-02	
												U-nat [2.5870E-01 kg]	2.12037E+01	6.7958E+00	1.8367E-01	
												Subtotal		8.2938E+00	2.2416E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-486

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.5314E-01 kg]		8.2938E+00	2.2416E-01	
4443/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9425.6501	0.0005	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.1382E-07 kg]	2.54326E-01	8.8434E-02	2.3901E-03	AU
												Th-232 [8.6913E-02 kg]	1.01730E+00	3.5373E-01	9.5604E-03	
												U-nat [9.9626E-02 kg]	7.52669E+00	2.6172E+00	7.0734E-02	
		164.0000	10.3900	0.0500	<2.2000E+02	<2.2000E+03		164.0000				Subtotal		3.0594E+00	8.2685E-02	
												Total Source [1.8654E-01 kg]		3.0594E+00	8.2685E-02	
4444/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10151.3979	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [1.0625E-07 kg]	2.20390E-01	8.2558E-02	2.2313E-03	AU
												Th-232 [8.1137E-02 kg]	8.81560E-01	3.3023E-01	8.9251E-03	
												U-nat [2.1634E-01 kg]	1.51719E+01	5.6832E+00	1.5360E-01	
		177.0000	11.1900	0.0200	<2.2000E+02	<2.2000E+03		177.0000				Subtotal		6.0960E+00	1.6476E-01	
												Total Source [2.9748E-01 kg]		6.0960E+00	1.6476E-01	
Shipment Totals		46.4113	94065.9919									Source [3.8054E+00 kg]		7.7556E+01	2.0961E+00	
		1639.0000	103.6900													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-486
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-486
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.0765E+00	2.9096E-02
Th-232	4.3062E+00	1.1638E-01
U-nat	7.2173E+01	1.9506E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-486
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100027

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/13/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George P Cerato
DATE: 11/13/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-486

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: 65374
DATE: 12-1-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Dir. Ops | DATE: 11/13/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1640E+01	3.1461E-01	NA	23480 LBS; 186 FT3	4379
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0444E+00	1.3633E-01	NA	18880 LBS; 149 FT3	4402
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2403E+00	1.1460E-01	NA	20590 LBS; 163 FT3	4403
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2157E+01	3.2856E-01	NA	20760 LBS; 164 FT3	4404
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1765E+01	3.1797E-01	NA	20760 LBS; 164 FT3	4431
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4085E+00	6.5094E-02	NA	21070 LBS; 167 FT3	4434

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1:URS27010-039: 120903 • 0690

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

pment Number- 0840-01-485, 486, 487

ick Number- 36, 38

iler Number- 223, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~N/A~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of >1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices - bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~N/A~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-13-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-486	LIRR	MWCX 100027

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	✓		Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	OK
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes			Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory D Imacola 11/13/03

Shipment Date

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX-100027
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4434	21070
		4379	23480
		Total:	44550
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX-100027
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4441	19160
		4403	20590
		Total:	39750
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX-100027
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4404	20760
		4431	20760
		Total:	41520
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX-100027
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4440	19520
		4443	20780
		Total:	40300
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX-100027
Emergency Contact:	CHEMTREC 800-424-9300	

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4444	22380
		4402	18880
		Total:	41260
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	210100	19520	20780	22380	18880	19160	20590	20760	20760	21070	23480
	0840-01-486	Bag #	4440	4443	4444	4402	4441	4403	4404	4431	4434	4379
	Storage Loc.											
100027	11/13/2003	210100	190580	169800	147420	128540	109380	88790	68030	47270	26200	2720

Daily Shipping checklist for Trucks and Packages

Date: 11/13/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4379		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4402		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4403		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4404		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4431		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4434		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4440		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4441		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4443		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4444		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOST 7537 Date: 9-29-03 Time: 1517

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 3373 Storage Bin: 44 Gross Weight: 20260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	36	LMDA
2	5		29	
3	1		40	
4	1		22	
5	0		31	
6	1		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

05263-S-04U173373-21.0
Date: 09/29/03 Time:1541

9-29-03 15:17 Bag# 3373
20260 lb GR
092903 1517 3373 0020260

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8628 Date: 10-21-03 Time: 1521

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4013 Storage Bin: 34 Gross Weight: 17970 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	< MDA	30	< MDA
2	3		57	
3	1		31	
4	6		32	
5	1		27	
6	0		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage
Surveyor Name

Surveyor Signature

Supervisor Approval

06376-S-14X164013-06.0
Date: 10/21/03 Time:1538

10-21-03 15:21 Bag# 4013
17970 lb GR
102103 1521 4013 0017970

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8631 Date: 10-21-03 Time: 1540

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4021 Storage Bin: 37 Gross Weight: 20540 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	22	<MDA
2	1		24	
3	4		24	
4	0		28	
5	1		24	
6	1		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE PAGE
Surveyor Name

Surveyor Signature

Supervisor Approval

06378-S-14X164021-06.0
Date: 10/21/03 Time:1545

10-21-03 15:40 Bag# 4021
20540 lb GR
102103 1540 4021 0020540

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI -8993 Date: 11-4-03 Time: 1301

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4391 Storage Bin: 100 AISLE Gross Weight: 22940 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	0		22	
3	0		25	
4	0		29	
5	0		25	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage / DG
Surveyor Signature

Supervisor Approval

06917-S-110214391-20.0
Date: 11/04/03 Time:1431

11-04-03 13:01 Bag# 4391
22940 lb GR
110403 1301 4391 0022940

Shipment Survey

Survey Number: GTEOSI -8992 Date: 11-4-03 Time: 1257

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4392 Storage Bin: 100 AISLE Gross Weight: 18780 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		22	
3	0		27	
4	0		22	
5	0		23	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage /DG
Surveyor Signature

Supervisor Approval

06913-S-12P164392-04.0
Date: 11/04/03 Time:1331

11-04-03 12:57 Bag# 4392
18780 lb GR
110403 1257 4392 0018780

Shipment Survey

Survey Number: GTEOSI-8994 Date: 11-04-03 Time: 1306

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4393 Storage Bin: 100 AISLE Gross Weight: 23210 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		18	
3	2		24	
4	0		32	
5	1		32	
6	0		0	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Surveyor Signature

Supervisor Approval

06918-S-11P214393-20.0
Date: 11/04/03 Time:1434

11-04-03 13:06 Bag# 4393
23210 lb GR
110403 1306 4393 0023210

Shipment Survey

Survey Number: GTEOSI-8995 Date: 11-04-03 Time: 1309

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4396 Storage Bin: 100 AISLE Gross Weight: 18210 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	35	<MDA
2	0		28	
3	0		27	
4	1		30	
5	0		27	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page (DG) — Surveyor Signature

Supervisor Approval — on behalf of R Hopping

06914-S-12P164396-04.0

Date: 11/04/03 Time:1343

11-04-03 13:09 Bag# 4396

18210 lb GR

110403 1309 4396 0018210

Shipment Survey

Survey Number: GTEOSI 9053 Date: 11-7-03 Time: 1452

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4450 Storage Bin: 51 Gross Weight: 19400 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	37	<MDA
2	~~0~~		34	
3	~~0~~		30	
4	1		31	
5	1		30	
6	1		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

06993-S-11P204450-18.0
Date: 11/07/03 Time:1526

11-07-03 14:52 Bag# 4450
19400 lb GR
110703 1452 4450 0019400

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9054 Date: 11-7-03 Time: 1501

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4451 Storage Bin: 51 Gross Weight: 19960 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	31	<MDA
2	0		32	
3	1		27	
4	0		29	
5	0		27	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE PAGE — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06994-S-11P204451-18.0

Date: 11/07/03 Time:1533

11-07-03 15:01 Bag# 4451

19960 lb GR

110703 1501 4451 0019960

Shipment Survey

Survey Number: GTEOSI 9055 Date: 11-7-03 Time: 1507

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4452 Storage Bin: 51 Gross Weight: 19300 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	28	<MDA
2	~~0~~		31	
3	2		29	
4	~~0~~		22	
5	~~0~~		24	
6	1		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

06996-S-11P204452-18.0

Date: 11/07/03 Time:1543

11-07-03 15:07 Bag# 4452

19300 lb GR

110703 1507 4452 0019300

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-487
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5212
☑ GENERATOR TYPE (Specify) 1

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/13/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George P. Cimato
DATE: 11/13/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-487

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/13/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5280E+00	4.1296E-02	NA	20260 LBS; 160 FT3	3373
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6078E+00	2.0562E-01	NA	17970 LBS; 142 FT3	4013
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1363E+00	1.3882E-01	NA	20540 LBS; 162 FT3	4021
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3811E+00	1.7246E-01	NA	22940 LBS; 181 FT3	4391
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8848E+00	1.5905E-01	NA	18780 LBS; 148 FT3	4392
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2245E+00	1.4120E-01	NA	23210 LBS; 184 FT3	4393

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-487

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8861E+00	1.5908E-01	NA	18210 LBS; 144 FT3	4396
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8076E+00	1.0291E-01	NA	19400 LBS; 153 FT3	4450
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9043E+00	1.5958E-01	NA	19960 LBS; 158 FT3	4451
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8387E+00	1.5780E-01	NA	19300 LBS; 153 FT3	4452

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 44.8822 ft3 1585.0000	kg 90614.1537 ton 99.8850	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.3199E+01	NP	NP	NP	NP	(kg)	2.8143E+00
mCi	1.4378E+00	NP	NP	NP	NP	(tons)	3.1022E-03

2. MANIFEST NUMBER 0840-01-487

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-487

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3373/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9189.7820	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.8240E-08 kg]	4.18085E-02	1.4172E-02	3.8304E-04	AU
		160.0000	10.1300	0.0100	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [1.3929E-02 kg]	1.67234E-01	5.6691E-02	1.5322E-03	
												U-nat [1.1583E-01 kg]	2.14922E+00	1.4571E+00	3.9381E-02	
												Subtotal		1.5280E+00	4.1296E-02	
												Total Source [1.2976E-01 kg]		1.5280E+00	4.1296E-02	
4013/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0210	8151.0554	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0210	100	OXIDES/NONE	0.00	Th-230 [6.3583E-08 kg]	1.64397E-01	4.9402E-02	1.3352E-03	AU
		142.0000	8.9850	0.0400	<2.2000E+02	<2.2000E+03		142.0000				Th-232 [4.8554E-02 kg]	6.57589E-01	1.9762E-01	5.3410E-03	
												U-nat [2.8020E-01 kg]	2.44941E+01	7.3608E+00	1.9894E-01	
												Subtotal		7.6078E+00	2.0562E-01	
												Total Source [3.2876E-01 kg]		7.6078E+00	2.0562E-01	
4021/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9316.7879	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [6.1706E-08 kg]	1.39504E-01	4.7945E-02	1.2958E-03	AU
		162.0000	10.2700	0.0100	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [4.7121E-02 kg]	5.58014E-01	1.9178E-01	5.1833E-03	
												U-nat [1.8639E-01 kg]	1.42468E+01	4.8966E+00	1.3234E-01	
												Subtotal		5.1363E+00	1.3882E-01	
												Total Source [2.3351E-01 kg]		5.1363E+00	1.3882E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-487

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4391/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10405.4097	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.2802E-07 kg]	2.59043E-01	9.9475E-02	2.6885E-03	AU
		181.0000	11.4700	0.0100	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [9.7762E-02 kg]	1.03617E+00	3.9790E-01	1.0754E-02	
												U-nat [2.2397E-01 kg]	1.53223E+01	5.8837E+00	1.5902E-01	
												Subtotal		6.3811E+00	1.7246E-01	
												Total Source [3.2174E-01 kg]		6.3811E+00	1.7246E-01	
4392/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1909	8518.4653	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1909	100	OXIDES/NONE	0.00	Th-230 [1.1178E-07 kg]	2.76489E-01	8.6850E-02	2.3473E-03	AU
		148.0000	9.3900	0.0100	<2.2000E+02	<2.2000E+03		148.0000				Th-232 [8.5358E-02 kg]	1.10596E+00	3.4741E-01	9.3894E-03	
												U-nat [2.0748E-01 kg]	1.73517E+01	5.4505E+00	1.4731E-01	
												Subtotal		5.8848E+00	1.5905E-01	
												Total Source [2.9284E-01 kg]		5.8848E+00	1.5905E-01	
4393/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10527.8796	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [2.6669E-07 kg]	5.33333E-01	2.0722E-01	5.6005E-03	AU
		184.0000	11.6050	0.0100	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [2.0366E-01 kg]	2.13333E+00	8.2887E-01	2.2402E-02	
												U-nat [1.5943E-01 kg]	1.07794E+01	4.1884E+00	1.1320E-01	
												Subtotal		5.2245E+00	1.4120E-01	
												Total Source [3.6309E-01 kg]		5.2245E+00	1.4120E-01	
4396/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0776	8259.9176	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0776	100	OXIDES/NONE	0.00	Th-230 [1.5623E-07 kg]	3.98582E-01	1.2139E-01	3.2807E-03	AU
		144.0000	9.1050	0.0100	<2.2000E+02	<2.2000E+03		144.0000				Th-232 [1.1930E-01 kg]	1.59433E+00	4.8555E-01	1.3123E-02	
												U-nat [2.0095E-01 kg]	1.73340E+01	5.2792E+00	1.4268E-01	
												Subtotal		5.8861E+00	1.5908E-01	
												Total Source [3.2025E-01 kg]		5.8861E+00	1.5908E-01	
4450/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8799.6926	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [7.6575E-08 kg]	1.83333E-01	5.9500E-02	1.6081E-03	AU
		153.0000	9.7000	0.0200	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [5.8475E-02 kg]	7.33333E-01	2.3800E-01	6.4323E-03	
												U-nat [1.3362E-01 kg]	1.08157E+01	3.5101E+00	9.4868E-02	
												Subtotal		3.8076E+00	1.0291E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-487

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [1.9209E-01 kg]		3.8076E+00	1.0291E-01	
4451/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4741	9053.7043	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741	100	OXIDES/NONE	0.00	Th-230 [2.4263E-07 kg]	5.64539E-01	1.8853E-01	5.0953E-03	AU
												Th-232 [1.8528E-01 kg]	2.25816E+00	7.5410E-01	2.0381E-02	
		158.0000	9.9800	0.0150	<2.2000E+02	<2.2000E+03		158.0000				U-nat [1.8887E-01 kg]	1.48578E+01	4.9617E+00	1.3410E-01	
												Subtotal		5.9043E+00	1.5958E-01	
												Total Source [3.7415E-01 kg]		5.9043E+00	1.5958E-01	
4452/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8754.3333	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [5.8217E-08 kg]	1.40106E-01	4.5236E-02	1.2226E-03	AU
												Th-232 [4.4456E-02 kg]	5.60426E-01	1.8094E-01	4.8902E-03	
		153.0000	9.6500	0.0150	<2.2000E+02	<2.2000E+03		153.0000				U-nat [2.1365E-01 kg]	1.73842E+01	5.6125E+00	1.5169E-01	
												Subtotal		5.8387E+00	1.5780E-01	
												Total Source [2.5811E-01 kg]		5.8387E+00	1.5780E-01	
Shipment Totals		44.8822	90977.0277									Source [2.8143E+00 kg]		5.3199E+01	1.4378E+00	
		1585.0000	100.2850													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-487
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-487
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	9.1971E-01	2.4857E-02
Th-232	3.6788E+00	9.9428E-02
U-nat	4.8600E+01	1.3135E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-487
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5212

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/13/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: [illegible]

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-487

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature] 165375
DATE: 12-1-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: [illegible] DATE: [illegible]

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5280E+00	4.1296E-02	NA	20260 LBS; 160 FT3	3373
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6078E+00	2.0562E-01	NA	17970 LBS; 142 FT3	4013
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1363E+00	1.3882E-01	NA	20540 LBS; 162 FT3	4021
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3811E+00	1.7246E-01	NA	22940 LBS; 181 FT3	4391
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8848E+00	1.5905E-01	NA	18780 LBS; 148 FT3	4392
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2245E+00	1.4120E-01	NA	23210 LBS; 184 FT3	4393

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-487	LIRR	MHFX 5212

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaculo 11/13/03

Shipment Date

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

pment Number- 0840-01-485, 486, 487

ıck Number- 36, 38

ıiler Number- 225, 226

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature Neal Sm[illegible]
Shipment Date 11-13-03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/13/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5212

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		3373	20260
		4393	23210
		Total:	43470
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5212

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4021	20540
		4013	17970
		Total:	38510
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5212

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4451	19960
		4452	19300
		Total:	39260
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5212

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4396	18210
		4450	19400
		Total:	37610
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/13/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5212

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4392	18780
		4391	22940
		Total:	41720
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/13/2003
Transporter	Signature		Date
Priority Transport			11/13/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	202900	18780	22940	18210	19400	19960	19300	20260	23210	20540	17970
	0840-01-487	Bag #	4392	4391	4396	4450	4451	4452	3373	4393	4021	4013
	Storage Loc.											
5212	11/13/2003	202900	184120	161180	142970	123570	103610	84310	64050	40840	20300	2330

Daily Shipping checklist for Trucks and Packages

Date: 11/13/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3373		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4013		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4021		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4391		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4392		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4393		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4396		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4450		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4451		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4452		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8163 Date: 10-16-03 Time: 1429

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 3839 Storage Bin: 100 AISLE Gross Weight: 21100 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	~~180~~ 130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

DL 10-20-03

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	4	LMDA	38	LMDA
2	1		30	
3	0		23	
4	0		24	
5	0		35	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06091-S-14X123839-05.0
Date: 10/16/03 Time:1351

10-16-03 14:29 Bag# 3839
21100 lb GR
101603 1429 3839 0021100

Shipment Survey

Survey Number: GTEOSI 8903 Date: 10-31-03 Time: 1238

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4300 Storage Bin: 44 Gross Weight: 21550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	23	LMDA
2	1		28	
3	0		21	
4	4		31	
5	0		23	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page — Surveyor Signature

[illegible] on behalf of R Hepping — Supervisor Approval

06814-S-110214300-21.0

Date: 10/31/03 Time:1317

10-31-03 12:38 Bag# 4300

21550 lb GR

103103 1238 4300 0021550

Shipment Survey

Survey Number: GTEOSI 8960 Date: 11-3-03 Time: 1547

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4357 Storage Bin: 41 Gross Weight: 22850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	30	<MDA
2	1		27	
3	~~0~~		27	
4	~~0~~		34	
5	~~0~~		28	
6	~~0~~		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra R Page
Surveyor Signature

Supervisor Approval

06878-S-11P214357-15.0
Date: 11/03/03 Time:1606

11-03-03 15:47 Bag# 4357
22850 lb GR
110303 1547 4357 0022850

Shipment Survey

Survey Number: GTEOSI 8961 Date: 11-3-03 Time: 1602

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4358 Storage Bin: 41 Gross Weight: 21560 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	25	<MDA
2	2		26	
3	1		24	
4	4		38	
5	~~0~~		26	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE PAGE
Surveyor Name

Surveyor Signature

Supervisor Approval in lieu of R. Huppenny

06879-S-11P214358-15.0
Date: 11/03/03 Time:1610

11-03-03 16:02 Bag# 4358
21560 lb GR
110303 1602 4358 0021560

Shipment Survey

Survey Number: GTEOSI 8963 Date: 11-3-03 Time: 1612

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4360 Storage Bin: 42 Gross Weight: 22800 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	26	<MDA
2	1		23	
3	1		32	
4	2		33	
5	~~0~~		25	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06881-S-11P214360-15.0
Date: 11/03/03 Time:1629

11-03-03 16:12 Bag# 4360
22800 lb GR
110303 1612 4360 0022800

Shipment Survey

Survey Number: GTEOSI 8972 Date: 11-4-03 Time: 0944

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4369 Storage Bin: 100 AISLE Gross Weight: 22090 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	0		24	
3	2		28	
4	1		30	
5	1		30	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06890-S-11P204369-22.0
Date: 11/04/03 Time:1021

11-04-03 9:44 Bag# 4369
22090 lb GR
110403 0944 4369 0022090

Shipment Survey

Survey Number: GTEOSI-8986 Date: 11-4-03 Time: 1123

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4385 Storage Bin: 100 AISLE Gross Weight: 22600 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	23	<MDA
2	1		27	
3	0		26	
4	0		22	
5	0		24	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06906-S-11P224385-22.0
Date: 11/04/03 Time:1149

11-04-03 11:23 Bag# 4385
22600 lb GR
110403 1123 4385 0022600

Shipment Survey

Survey Number: GTEOSI-8987 Date: 11-4-03 Time: 1133

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4386 Storage Bin: 100 AISLE Gross Weight: 23190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	24	<MDA
2	0		24	
3	0		22	
4	1		25	
5	0		29	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06907-S-11P204386-06.0
Date: 11/04/03 Time:1152

11-04-03 11:33 Bag# 4386
23190 lb GR
110403 1133 4386 0023190

Shipment Survey

Survey Number: GTE05I 8998 Date: 11-4-03 Time: 1320

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4395 Storage Bin: 100 AISLE Gross Weight: 23160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		28	
3	1		34	
4	0		27	
5	0		21	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

[illegible] on behalf of R. Happing

Supervisor Approval

06920-S-11P214395-20.0

Date: 11/04/03 Time: 1440

11-04-03 13:20 Bag# 4395

23160 lb GR

110403 1320 4395 0023160

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-488
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100029

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/14/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt* DATE: 11/14/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-488

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt* DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 11/14/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5125E+00	9.4933E-02	NA	21100 LBS; 167 FT3	3839
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9261E+01	7.9085E-01	NA	21550 LBS; 170 FT3	4300
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4307E+00	2.0083E-01	NA	22850 LBS; 181 FT3	4357
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2682E+01	3.4277E-01	NA	21560 LBS; 170 FT3	4358
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.1606E+00	2.2056E-01	NA	22800 LBS; 180 FT3	4360
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6126E+00	1.5169E-01	NA	22090 LBS; 175 FT3	4369

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-488

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9867E+00	1.3478E-01	NA	22600 LBS; 179 FT3	4385
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4936E+00	9.4419E-02	NA	23190 LBS; 183 FT3	4386
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0415E+00	2.4436E-01	NA	23160 LBS; 183 FT3	4395

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 44.9671 / ft3 1588.0000	kg 90800.1265 / ton 100.0900	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	8.4182E+01	NP	NP	NP	NP	(kg)	3.8084E+00
mCi	2.2752E+00	NP	NP	NP	NP	(tons)	4.1980E-03

2. MANIFEST NUMBER **0840-01-488**

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME **GTEOSI**

SHIPMENT ID NUMBER **0840-01-488**

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3839/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9570.7996	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [7.9671E-08 kg]	1.75319E-01	6.1905E-02	1.6731E-03	AU
		167.0000	10.5500	0.0100	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [6.0839E-02 kg]	7.01277E-01	2.4762E-01	6.6923E-03	
												U-nat [1.2193E-01 kg]	9.07127E+00	3.2030E+00	8.6568E-02	
												Subtotal		3.5125E+00	9.4933E-02	
												Total Source [1.8277E-01 kg]		3.5125E+00	9.4933E-02	
4300/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9774.9162	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.3780E-07 kg]	2.96879E-01	1.0707E-01	2.8938E-03	AU
		170.0000	10.7750	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.0523E-01 kg]	1.18752E+00	4.2828E-01	1.1575E-02	
												U-nat [1.0935E+00 kg]	7.96500E+01	2.8726E+01	7.7638E-01	
												Subtotal		2.9261E+01	7.9085E-01	
												Total Source [1.1987E+00 kg]		2.9261E+01	7.9085E-01	
4357/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10364.5863	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [9.1820E-08 kg]	1.86525E-01	7.1343E-02	1.9282E-03	AU
		181.0000	11.4250	0.0100	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [7.0117E-02 kg]	7.46099E-01	2.8538E-01	7.7129E-03	
												U-nat [2.6929E-01 kg]	1.84949E+01	7.0740E+00	1.9119E-01	
												Subtotal		7.4307E+00	2.0083E-01	
												Total Source [3.3940E-01 kg]		7.4307E+00	2.0083E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-488

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4358/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9779.4521	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.3464E-07 kg]	2.89929E-01	1.0461E-01	2.8274E-03	AU
		170.0000	10.7800	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.0281E-01 kg]	1.15972E+00	4.1847E-01	1.1310E-02	
												U-nat [4.6285E-01 kg]	3.36985E+01	1.2159E+01	3.2863E-01	
												Subtotal		1.2682E+01	3.4277E-01	
												Total Source [5.6567E-01 kg]		1.2682E+01	3.4277E-01	
4360/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10341.9067	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [8.9406E-08 kg]	1.82021E-01	6.9468E-02	1.8775E-03	AU
		180.0000	11.4000	0.0100	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [6.8274E-02 kg]	7.28085E-01	2.7787E-01	7.5101E-03	
												U-nat [2.9743E-01 kg]	2.04727E+01	7.8133E+00	2.1117E-01	
												Subtotal		8.1606E+00	2.2056E-01	
												Total Source [3.6570E-01 kg]		8.1606E+00	2.2056E-01	
4369/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10019.8561	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.4127E-07 kg]	2.96879E-01	1.0976E-01	2.9666E-03	AU
		175.0000	11.0450	0.0100	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.0788E-01 kg]	1.18752E+00	4.3904E-01	1.1866E-02	
												U-nat [1.9276E-01 kg]	1.36961E+01	5.0638E+00	1.3686E-01	
												Subtotal		5.6126E+00	1.5169E-01	
												Total Source [3.0064E-01 kg]		5.6126E+00	1.5169E-01	
4385/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10251.1882	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [1.0519E-07 kg]	2.16064E-01	8.1737E-02	2.2091E-03	AU
		179.0000	11.3000	0.0100	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [8.0329E-02 kg]	8.64255E-01	3.2694E-01	8.8362E-03	
												U-nat [1.7426E-01 kg]	1.21016E+01	4.5780E+00	1.2373E-01	
												Subtotal		4.9867E+00	1.3478E-01	
												Total Source [2.5459E-01 kg]		4.9867E+00	1.3478E-01	
4386/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10518.8078	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [1.0558E-07 kg]	2.11312E-01	8.2033E-02	2.2171E-03	AU
		183.0000	11.5950	0.0100	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [8.0621E-02 kg]	8.45248E-01	3.2813E-01	8.8683E-03	
												U-nat [1.1737E-01 kg]	7.94262E+00	3.0834E+00	8.3334E-02	
												Subtotal		3.4936E+00	9.4419E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-488

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
												Total Source [1.9799E-01 kg]		3.4936E+00	9.4419E-02	
4395/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.1820	10505.2000	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [9.5370E-08 kg]	1.91135E-01	7.4104E-02	2.0028E-03	AU
												Th-232 [7.2828E-02 kg]	7.64539E-01	2.9641E-01	8.0111E-03	
		183.0000	11.5800	0.0100	<2.2000E+02	<2.2000E+03		183.0000				U-nat [3.3008E-01 kg]	2.23656E+01	8.6710E+00	2.3435E-01	
												Subtotal		9.0415E+00	2.4436E-01	
												Total Source [4.0290E-01 kg]		9.0415E+00	2.4436E-01	
Shipment Totals		44.9671	91126.7130									Source [3.8084E+00 kg]		8.4182E+01	2.2752E+00	
		1588.0000	100.4500													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-488
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-488
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.6203E-01	2.0595E-02
Th-232	3.0481E+00	8.2382E-02
U-nat	8.0372E+01	2.1722E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MWCX-100029

CONTACT: Jean Agostinelli

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

CONTACT: Dispatch

SIGNATURE -- Authorized carrier acknowledging waste receipt

SHIPPER I.D. NUMBER: 0840-01-488

☐ COLLECTOR

☐ PROCESSOR

☑ GENERATOR TYPE (Specify) I

TELEPHONE NUMBER (Include Area Code): 516-932-9157

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 11/14/2003

TELEPHONE (Include Area Code): 800-235-0069

DATE: 11/14/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-488

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L 65382

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE: 12/1/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/14/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5125E+00	9.4933E-02	NA	21100 LBS; 167 FT3	3839
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9261E+01	7.9085E-01	NA	21550 LBS; 170 FT3	4300
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4307E+00	2.0083E-01	NA	22850 LBS; 181 FT3	4357
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2682E+01	3.4277E-01	NA	21560 LBS; 170 FT3	4358
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.1606E+00	2.2056E-01	NA	22800 LBS; 180 FT3	4360
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6126E+00	1.5169E-01	NA	22090 LBS; 175 FT3	4369

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01 - 488, 489, 490

uck Number- 36, 38

ailer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the rresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-14-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-489	LIRR	MHFX 5207

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimaerle 11/14/03

Shipment Date

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/14/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5207

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4380	22810
		4370	22030
		Total:	44840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5207

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4446	20690
		4371	23060
		Total:	43750
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/14/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5207

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4372	23290
		4359	19690
		Total:	42980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5207

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4276	22930
		4254	22540
		Total:	45470
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport	D. Amato		11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5207

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		3326	22160
			0
		Total:	22160
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	208900	22090	23190	21550	22600	22850	21560	21100	23190	22800
	0840-01-488	Bag #	4369	4386	4300	4385	4357	4358	3839	4395	4360
	Storage Loc.										
100029	11/14/2003	208900	186810	163620	142070	119470	96620	75060	53960	30770	7970

Daily Shipping checklist for Trucks and Packages

Date: 11/14/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3839		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4300		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4357		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4358		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4360		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4369		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4385		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4386		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4395		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 7490 Date: 9-26-03 Time: 1517

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 3326 Storage Bin: 100 AISLE Gross Weight: 22160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	LMDA	24	LMDA
2	2		34	
3	~~0~~		30	
4	~~0~~		29	
5	~~0~~		33	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra LPage
Surveyor Name Surveyor Signature

Supervisor Approval

05213-S-04W163326-24.0
Date: 09/26/03 Time:1533

9-26-03 15:08 Bag# 3326
22160 lb GR
092603 1508 3326 0022160

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8857 Date: 10-30-03 Time: 0937

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4254 Storage Bin: 33 Gross Weight: 22540 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	50	N/A	500
Smear #				
1	0	<MDA	19	<MDA
2	2		29	
3	6		47	
4	6		33	
5	5		36	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06706-S-11Q214254-16.0
Date: 10/30/03 Time:0935

10-30-03 9:37 Bag# 4254
22540 lb GR
103003 0937 4254 0022540

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8877 Date: 10-30-03 Time: 1055

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4276 Storage Bin: 38 Gross Weight: 22930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	24	<MDA
2	0		31	
3	1		25	
4	2		24	
5	0		24	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06724-S-14X134276-06.0
Date: 10/30/03 Time:1113

10-30-03 10:55 Bag# 4276
22930 lb GR
103003 1055 4276 0022930

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8962 Date: 11-3-03 Time: 1607

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4359 Storage Bin: 42 Gross Weight: 19690 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	25	<MDA
2	0		20	
3	1		34	
4	2		19	
5	0		22	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06880-S-11P214359-15.0
Date: 11/03/03 Time:1619

11-03-03 16:07 Bag# 4359
19690 lb GR
110303 1607 4359 0019690

Shipment Survey

Survey Number: GTEOSI 8973 Date: 11-4-03 Time: 0952

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4370 Storage Bin: 100 AISLE Gross Weight: 22030 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	28	<MDA
2	0		24	
3	0		23	
4	0		25	
5	0		21	
6	0		39	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] on behalf of R Happ[illegible]
Supervisor Approval

06891-S-110224370-22.0
Date: 11/04/03 Time:1026

11-04-03 9:52 Bag# 4370
22030 lb GR
110403 0952 4370 0022030

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI-8974 Date: 11-4-03 Time: 1002

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4371 Storage Bin: 100 AISLE Gross Weight: 23070 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	21	<MDA
2	0		21	
3	0		20	
4	0		25	
5	0		35	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage/S. Gore — Debra LePage/Sue Gore
Surveyor Name — Surveyor Signature

Supervisor Approval

06892-S-110224371-22.0
Date: 11/04/03 Time:1028

11-04-03 9:58 Bag# 4371
23070 lb GR
110403 0958 4371 0023070

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI -8976 Date: 11-4-03 Time: 1015

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4372 Storage Bin: 100 AISLE Gross Weight: 23290 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	35	<MDA
2	0		16	
3	2		24	
4	0		35	
5	0		28	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage/DG — Surveyor Name

Debra LePage/Dg — Surveyor Signature

Supervisor Approval

06893-S-110224372-22.0
Date: 11/04/03 Time:1032

11-04-03 10:15 Bag# 4372
23290 lb GR
110403 1015 4372 0023290

Shipment Survey

Survey Number: GTEOSI -8981 Date: 11-4-03 Time: 1048

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4380 Storage Bin: 100 AISLE Gross Weight: 22810 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	29	LMDA
2	1		25	
3	0		20	
4	2		45	
5	0		33	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page / DP
Surveyor Signature

Supervisor Approval

06898-S-11P224380-22.0
Date: 11/04/03 Time:1104

11-04-03 10:48 Bag# 4380
22810 lb GR
110403 1048 4380 0022810

Shipment Survey

Survey Number: GTEOSI 9049 Date: 11-7-03 Time: 1334

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4446 Storage Bin: 50 Gross Weight: 20690 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	23	<MDA
2	0		38	
3	0		32	
4	0		22	
5	0		24	
6	1		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06989-S-110214446-18.0
Date: 11/07/03 Time:1356

11-07-03 13:34 Bag# 4446
20690 lb GR
110703 1334 4446 0020690

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-489
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5207

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/14/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 11/14/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-489

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/14/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4756E+00	6.6910E-02	NA	22160 LBS; 175 FT3	3326
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0704E+00	1.6407E-01	NA	22540 LBS; 178 FT3	4254
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.5889E+00	2.3213E-01	NA	22930 LBS; 181 FT3	4276
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7875E+01	1.0236E+00	NA	19690 LBS; 156 FT3	4359
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9780E+00	1.3454E-01	NA	22030 LBS; 174 FT3	4370
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.7862E+00	1.8341E-01	NA	23070 LBS; 182 FT3	4371

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-489

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0743E+01	2.9035E-01	NA	23290 LBS; 184 FT3	4372
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5874E+00	1.2398E-01	NA	22810 LBS; 180 FT3	4380
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6204E+00	9.7849E-02	NA	20690 LBS; 164 FT3	4446

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 44.5706 / ft3 1574.0000	kg 90033.5556 / ton 99.2450	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	8.5724E+01	NP	NP	NP	NP	(kg)	3.9499E+00
mCi	2.3169E+00	NP	NP	NP	NP	(tons)	4.3541E-03

2. MANIFEST NUMBER 0840-01-489

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-489

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	[activity]	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3326/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10051.6076	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230	[3.0537E-08 kg]	6.39716E-02	2.3727E-02	6.4127E-04	AU
		175.0000	11.0800	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232	[2.3319E-02 kg]	2.55887E-01	9.4909E-02	2.5651E-03	
												U-nat	[1.8737E-01 kg]	3.17747E+00	2.3570E+00	6.3704E-02	
												Subtotal			2.4756E+00	6.6910E-02	
												Total Source	[2.1068E-01 kg]		2.4756E+00	6.6910E-02	
4254/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10223.9727	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230	[1.1072E-07 kg]	2.28014E-01	8.6025E-02	2.3250E-03	AU
		178.0000	11.2700	0.0300	<2.2000E+02	<2.2000E+03		178.0000				Th-232	[8.4546E-02 kg]	9.12057E-01	3.4410E-01	9.3001E-03	
												U-nat	[2.1470E-01 kg]	1.49494E+01	5.6403E+00	1.5244E-01	
												Subtotal			6.0704E+00	1.6407E-01	
												Total Source	[2.9925E-01 kg]		6.0704E+00	1.6407E-01	
4276/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10400.8737	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230	[7.1927E-08 kg]	1.45603E-01	5.5889E-02	1.5105E-03	AU
		181.0000	11.4650	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232	[5.4926E-02 kg]	5.82411E-01	2.2355E-01	6.0419E-03	
												U-nat	[3.1632E-01 kg]	2.16489E+01	8.3095E+00	2.2458E-01	
												Subtotal			8.5889E+00	2.3213E-01	
												Total Source	[3.7124E-01 kg]		8.5889E+00	2.3213E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-489

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4359/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8931.2344	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [1.2042E-07 kg]	2.84043E-01	9.3566E-02	2.5288E-03	AU
		156.0000	9.8450	0.0100	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [9.1957E-02 kg]	1.13617E+00	3.7426E-01	1.0115E-02	
												U-nat [1.4240E+00 kg]	1.13560E+02	3.7407E+01	1.0110E+00	
												Subtotal		3.7875E+01	1.0236E+00	
												Total Source [1.5159E+00 kg]		3.7875E+01	1.0236E+00	
4370/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9992.6406	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [1.3181E-07 kg]	2.77766E-01	1.0242E-01	2.7680E-03	AU
		174.0000	11.0150	0.0100	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [1.0066E-01 kg]	1.11106E+00	4.0966E-01	1.1072E-02	
												U-nat [1.6999E-01 kg]	1.21115E+01	4.4659E+00	1.2070E-01	
												Subtotal		4.9780E+00	1.3454E-01	
												Total Source [2.7065E-01 kg]		4.9780E+00	1.3454E-01	
4371/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10464.3767	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [1.3314E-07 kg]	2.67872E-01	1.0345E-01	2.7959E-03	AU
		182.0000	11.5350	0.0100	<2.2000E+02	<2.2000E+03		182.0000				Th-232 [1.0167E-01 kg]	1.07149E+00	4.1381E-01	1.1184E-02	
												U-nat [2.3863E-01 kg]	1.62324E+01	6.2689E+00	1.6943E-01	
												Subtotal		6.7862E+00	1.8341E-01	
												Total Source [3.4030E-01 kg]		6.7862E+00	1.8341E-01	
4372/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10564.1670	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [1.5231E-07 kg]	3.03546E-01	1.1835E-01	3.1986E-03	AU
		184.0000	11.6450	0.0100	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [1.1631E-01 kg]	1.21418E+00	4.7338E-01	1.2794E-02	
												U-nat [3.8642E-01 kg]	2.60368E+01	1.0151E+01	2.7436E-01	
												Subtotal		1.0743E+01	2.9035E-01	
												Total Source [5.0273E-01 kg]		1.0743E+01	2.9035E-01	
4380/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10346.4426	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [1.1849E-07 kg]	2.41135E-01	9.2071E-02	2.4884E-03	AU
		180.0000	11.4050	0.0200	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [9.0486E-02 kg]	9.64539E-01	3.6828E-01	9.9535E-03	
												U-nat [1.5710E-01 kg]	1.08090E+01	4.1270E+00	1.1154E-01	
												Subtotal		4.5874E+00	1.2398E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-489

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2)		11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
					ALPHA	BETA-GAMMA						RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.4759E-01 kg]		4.5874E+00	1.2398E-01	
4446/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9384.8268	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [8.7297E-08 kg]	1.95922E-01	6.7828E-02	1.8332E-03	AU
												Th-232 [6.6663E-02 kg]	7.83688E-01	2.7132E-01	7.3329E-03	
												U-nat [1.2491E-01 kg]	9.47776E+00	3.2813E+00	8.8683E-02	
		164.0000	10.3450	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Subtotal		3.6204E+00	9.7849E-02	
												Total Source [1.9157E-01 kg]		3.6204E+00	9.7849E-02	
Shipment Totals		44.5706	90360.1421									Source [3.9499E+00 kg]		8.5724E+01	2.3169E+00	
		1574.0000	99.6050													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-489
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-489
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.4332E-01	2.0090E-02
Th-232	2.9733E+00	8.0359E-02
U-nat	8.2009E+01	2.2164E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-489
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5207

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/14/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 11/14/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-489

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65384

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/1/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/14/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4756E+00	6.6910E-02	NA	22160 LBS; 175 FT3	3326
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0704E+00	1.6407E-01	NA	22540 LBS; 178 FT3	4254
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.5889E+00	2.3213E-01	NA	22930 LBS; 181 FT3	4276
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7875E+01	1.0236E+00	NA	19690 LBS; 156 FT3	4359
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9780E+00	1.3454E-01	NA	22030 LBS; 174 FT3	4370
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.7862E+00	1.8341E-01	NA	23070 LBS; 182 FT3	4371

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;UR827010-039: 120903 • 0693

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01 - 488, 489, 490

ıck Number- 36, 38

ıiler Number- 225, 226

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 11-14-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-488	CIRR	MWCX 100029

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Dimacale

Shipment Date

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100029

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4357	22850
		4358	21560
		Total:	44410
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/14/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100029

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4369	22090
		4386	23190
		Total:	45280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100029

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4360	22800
			0
		Total:	22800
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/14/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100029

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		3839	21100
		4395	23190
		Total:	44290
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100029

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4300	21550
		4385	22600
		Total:	44150
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/14/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3326		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4254		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4276		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4359		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4370		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4371		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4372		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4380		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4446		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Averaging over a Gondola PCE Results			
Bagnum	Total		
3326	102.52		
4276	0.084		
4254	0.124		
4372	0.119		
4359	0.288		
4446	0.108		
4371	0.104		
4380	0.098		
4370	0.098		
Total	103.54		

~~MHFX-5207~~ ~~MWG~~ MHFX – 5207
~~0840-01-489~~ 0840-01-489

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	203200	22160	22930	22540	23290	19690	20690	23060	22810	22030
	0840-01-489	Bag #	3326	4276	4254	4372	4359	4446	4371	4380	4370
	Storage Loc.		avg 1								
5207	11/14/2003	203200	181040	158110	135570	112280	92590	71900	48840	26030	4000

Shipment Survey

Survey Number: GTEOST 7497 Date: 9-26-03 Time: 1619

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 3334 Storage Bin: 100 AISLE Gross Weight: 22260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196163		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	26	<MDA
2	0		33	
3	0		30	
4	1		29	
5	0		28	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFort — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

05223-S-04W163334-24.0

Date: 09/26/03 Time:1617

9-26-03 16:09 Bag# 3334

22260 lb GR

092603 1609 3334 0022260

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8943 Date: 11-3-03 Time: 1016

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4339 Storage Bin: 56 Gross Weight: 21740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	24	LMDA
2	~~0~~		32	
3	~~0~~		26	
4	2		24	
5	~~0~~		31	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra L Page
Surveyor Name Surveyor Signature

Supervisor Approval

06861-S-11Q224339-16.0
Date: 11/03/03 Time:1020

11-03-03 10:16 Bag# 4339
21740 lb GR
110303 1016 4339 0021740

Shipment Survey

Survey Number: GTEOSI 8965 Date: 11-3-03 Time: 1628

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4362 Storage Bin: 43 Gross Weight: 20070 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	28	<MDA
2	0		32	
3	1		26	
4	0		31	
5	0		39	
6	0		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L. LePage
Surveyor Signature

Wayne E. [illegible] on behalf of R. Hupping
Supervisor Approval

06883-S-11P214362-15.0
Date: 11/03/03 Time: 1640

11-03-03 16:28 Bag# 4362
20070 lb GR
110303 1628 4362 0020070

Shipment Survey

Survey Number: GTEOSI 8969 Date: 11-4-03 Time: 0842

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4366 Storage Bin: 100 AISLE Gross Weight: 21670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	26	<MDA
2	Ø		12	
3	Ø		23	
4	Ø		38	
5	Ø		21	
6	Ø		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

06887-S-11P204366-06.0
Date: 11/04/03 Time: 0946

11-04-03 8:42 Bag# 4366
21670 lb GR
110403 0842 4366 0021670

Shipment Survey

Survey Number: GTEOSI 8971 Date: 11-4-03 Time: 0938

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4368 Storage Bin: 100 AISLE Gross Weight: 22260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	38	<MDA
2	1		28	
3	1		21	
4	2		31	
5	3		30	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06989-S-11P204368-06.0
Date: 11/04/03 Time:1019

11-04-03 9:38 Bag# 4368
22260 lb GR
110403 0938 4368 0022260

Shipment Survey

Survey Number: GTEOSI-8975 Date: 11-4-03 Time: 1000

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4374 Storage Bin: 100 AISLE Gross Weight: 23420 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .011 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	29	<MDA
2	1		34	
3	1		22	
4	0		29	
5	0		24	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage / Wayne Cole
Surveyor Signature

Wyatt C[illegible] on behalf of R Hoppenburg
Supervisor Approval

06894-S-11P224374-22.0
Date: 11/04/03 Time:1035

11-04-03 10:08 Bag# 4374
23420 lb GR
110403 1008 4374 0023420

Shipment Survey

Survey Number: GTEOSI -8988 Date: 11-4-03 Time: 1235

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4387 Storage Bin: 100 Aisle Gross Weight: 23140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	30	<MDA
2	0		25	
3	1		30	
4	0		27	
5	0		30	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage/DOE
Surveyor Signature

[illegible] in lieu of R. Hoppping
Supervisor Approval

06908-S-110214387-20.0
Date: 11/04/03 Time:1155

11-04-03 12:35 Bag# 4387
23140 lb GR
110403 1235 4387 0023140

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI-8990 Date: 11-4-03 Time: 1245

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4388 Storage Bin: 100 AISLE Gross Weight: 21520 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	27	<MDA
2	0		21	
3	0		20	
4	0		24	
5	0		25	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage (DG)
Surveyor Signature

Supervisor Approval

06910-S-110214388-20.0
Date: 11/04/03 Time:1203

11-04-03 12:45 Bag# 4388
21520 lb GR
110403 1245 4388 0021520

Shipment Survey

Survey Number: GTEOSI-8989 Date: 11-4-03 Time: 1243

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4389 Storage Bin: L66 AISLE Gross Weight: 22980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	31	<MDA
2	0		23	
3	0		39	
4	0		26	
5	0		19	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage/DQ
Surveyor Signature

Supervisor Approval

06909-S-110214389-20.0
Date: 11/04/03 Time:1158

11-04-03 12:43 Bag# 4389
22980 lb GR
110403 1243 4389 0022980

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-490
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100034
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER – Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/14/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt
DATE: 11/14/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-490

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/14/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1832E+00	8.6030E-02	NA	22260 LBS; 176 FT3	3334
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5457E+00	9.5829E-02	NA	21740 LBS; 172 FT3	4339
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6199E+00	1.5189E-01	NA	20070 LBS; 159 FT3	4362
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.8742E+00	1.3174E-01	NA	21670 LBS; 171 FT3	4366
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4877E+00	1.2129E-01	NA	22260 LBS; 176 FT3	4368
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0351E+01	2.7976E-01	NA	23420 LBS; 185 FT3	4374

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-490

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0078E+00	1.3534E-01	NA	23140 LBS; 183 FT3	4387
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5361E+00	1.7665E-01	NA	21520 LBS; 170 FT3	4388
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.9121E+00	2.4087E-01	NA	22980 LBS; 182 FT3	4389

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 44.5709 / ft3 1574.0000	kg 89965.5166 / ton 99.1700	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.2517E+01	NP	NP	NP	NP	(kg)	2.5914E+00
mCi	1.4194E+00	NP	NP	NP	NP	(tons)	2.8565E-03

2. MANIFEST NUMBER 0840-01-490

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-490

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
3334/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10096.9668	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [2.6373E-08 kg]	5.50000E-02	2.0492E-02	5.5384E-04	AU
		176.0000	11.1300	0.0400	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [2.0139E-02 kg]	2.20000E-01	8.1966E-02	2.2153E-03	
												U-nat [2.4488E-01 kg]	4.13421E+00	3.0807E+00	8.3261E-02	
												Subtotal		3.1832E+00	8.6030E-02	
												Total Source [2.6502E-01 kg]		3.1832E+00	8.6030E-02	
4339/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9861.0988	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [4.7458E-08 kg]	1.01348E-01	3.6875E-02	9.9662E-04	AU
		172.0000	10.8700	0.0100	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [3.6241E-02 kg]	4.05390E-01	1.4750E-01	3.9865E-03	
												U-nat [1.2795E-01 kg]	9.23826E+00	3.3613E+00	9.0846E-02	
												Subtotal		3.5457E+00	9.5829E-02	
												Total Source [1.6419E-01 kg]		3.5457E+00	9.5829E-02	
4362/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9103.5995	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [8.9697E-08 kg]	2.07553E-01	6.9693E-02	1.8836E-03	AU
		159.0000	10.0350	0.0100	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [6.8496E-02 kg]	8.30213E-01	2.7878E-01	7.5346E-03	
												U-nat [2.0066E-01 kg]	1.56979E+01	5.2714E+00	1.4247E-01	
												Subtotal		5.6199E+00	1.5189E-01	
												Total Source [2.6915E-01 kg]		5.6199E+00	1.5189E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-490

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4366/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9829.3473	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.2271E-07 kg]	2.62908E-01	9.5349E-02	2.5770E-03	AU
		171.0000	10.8350	0.0100	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [9.3709E-02 kg]	1.05163E+00	3.8140E-01	1.0308E-02	
												U-nat [1.6740E-01 kg]	1.21255E+01	4.3975E+00	1.1885E-01	
												Subtotal		4.8742E+00	1.3174E-01	
												Total Source [2.6111E-01 kg]		4.8742E+00	1.3174E-01	
4368/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10096.9668	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [1.0571E-07 kg]	2.20461E-01	8.2140E-02	2.2200E-03	AU
		176.0000	11.1300	0.0100	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [8.0727E-02 kg]	8.81844E-01	3.2856E-01	8.8799E-03	
												U-nat [1.5520E-01 kg]	1.09430E+01	4.0770E+00	1.1019E-01	
												Subtotal		4.4877E+00	1.2129E-01	
												Total Source [2.3593E-01 kg]		4.4877E+00	1.2129E-01	
4374/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2386	10623.1340	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2386	100	OXIDES/NONE	0.00	Th-230 [9.0021E-08 kg]	1.78404E-01	6.9945E-02	1.8904E-03	AU
		185.0000	11.7100	0.0110	<2.2000E+02	<2.2000E+03		185.0000				Th-232 [6.8743E-02 kg]	7.13617E-01	2.7978E-01	7.5617E-03	
												U-nat [3.8072E-01 kg]	2.55095E+01	1.0001E+01	2.7031E-01	
												Subtotal		1.0351E+01	2.7976E-01	
												Total Source [4.4946E-01 kg]		1.0351E+01	2.7976E-01	
4387/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10496.1281	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [8.4132E-08 kg]	1.68759E-01	6.5372E-02	1.7668E-03	AU
		183.0000	11.5700	0.0100	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [6.4246E-02 kg]	6.75035E-01	2.6148E-01	7.0671E-03	
												U-nat [1.7819E-01 kg]	1.20841E+01	4.6809E+00	1.2651E-01	
												Subtotal		5.0078E+00	1.3534E-01	
												Total Source [2.4243E-01 kg]		5.0078E+00	1.3534E-01	
4388/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9761.3084	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [8.9054E-08 kg]	1.92128E-01	6.9194E-02	1.8701E-03	AU
		170.0000	10.7600	0.0100	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [6.8005E-02 kg]	7.68511E-01	2.7678E-01	7.4805E-03	
												U-nat [2.3563E-01 kg]	1.71872E+01	6.1901E+00	1.6730E-01	
												Subtotal		6.5361E+00	1.7665E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-490

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2)		11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				
					ALPHA	BETA-GAMMA						RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.0363E-01 kg]		6.5361E+00	1.7665E-01	
4389/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10423.5534	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [9.9402E-08 kg]	2.00780E-01	7.7234E-02	2.0874E-03	AU
												Th-232 [7.5907E-02 kg]	8.03121E-01	3.0894E-01	8.3497E-03	
												U-nat [3.2455E-01 kg]	2.21640E+01	8.5259E+00	2.3043E-01	
		182.0000	11.4900	0.0100	<2.2000E+02	<2.2000E+03		182.0000				Subtotal		8.9121E+00	2.4087E-01	
												Total Source [4.0046E-01 kg]		8.9121E+00	2.4087E-01	
Shipment Totals		44.5709	90292.1031									Source [2.5914E+00 kg]		5.2517E+01	1.4194E+00	
		1574.0000	99.5300													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-490
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-490
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	5.8630E-01	1.5846E-02
Th-232	2.3452E+00	6.3383E-02
U-nat	4.9586E+01	1.3402E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	457	11/21/2003	11/26/2003	1590.00	A
0840	01	465	11/21/2003	11/26/2003	1519.00	A
0840	01	460	11/21/2003	11/26/2003	1532.00	A
0840	01	467	11/21/2003	11/26/2003	1533.00	A
0840	01	456	11/21/2003	11/26/2003	1583.00	A
0840	01	459	11/21/2003	11/26/2003	1654.00	A
0840	04	1	11/21/2003	11/27/2003	1518.00	A
0840	01	474	11/22/2003	12/6/2003	1561.00	A
0840	01	475	11/22/2003	12/6/2003	1497.00	A
0840	01	476	11/24/2003	12/6/2003	1516.00	A
0840	01	477	11/24/2003	12/6/2003	1573.00	A
0840	01	478	11/24/2003	12/6/2003	1586.00	A
0840	01	484	11/26/2003	1/20/2004	1481.00	A
0840	01	482	11/26/2003	12/10/2003	1525.00	A
0840	01	481	11/26/2003	12/10/2003	1649.00	A
0840	01	480	11/26/2003	12/10/2003	1642.00	A
0840	01	479	11/26/2003	12/10/2003	1546.00	A
0840	04	2	11/26/2003	12/10/2003	1511.00	A
0840	01	483	11/28/2003	12/10/2003	1592.00	A
0840	01	488	11/28/2003	12/10/2003	1588.00	A
0840	01	489	11/28/2003	12/10/2003	1574.00	A
0840	01	490	11/28/2003	12/10/2003	1574.00	A
0840	01	486	11/29/2003	12/10/2003	1639.00	A
0840	01	485	11/29/2003	12/10/2003	1524.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-490
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100034

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 11/14/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 11/14/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-490

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L65386

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/1/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 11/14/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1832E+00	8.6030E-02	NA	22260 LBS; 176 FT3	3334
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5457E+00	9.5829E-02	NA	21740 LBS; 172 FT3	4339
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6199E+00	1.5189E-01	NA	20070 LBS; 159 FT3	4362
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.8742E+00	1.3174E-01	NA	21670 LBS; 171 FT3	4366
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4877E+00	1.2129E-01	NA	22260 LBS; 176 FT3	4368
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0351E+01	2.7976E-01	NA	23420 LBS; 185 FT3	4374

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 08460-01 - 488, 489, 490

ick Number- 36, 38

iler Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature _____

Shipment Date 11-14-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
840-01-490	LIRR	MWCX 100034

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	✓		Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains			Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Gregory Ormocale 11/14/03

Shipment Date

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100034

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4374	23420
			0
		Total:	23420
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/14/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100034

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4339	21740
		4368	22260
		Total:	44000
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 11/14/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100034

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4388	21520
		4362	20070
		Total:	41590
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100034

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		3334	22260
		4366	21670
		Total:	43930
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 11/14/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100034

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4387	21740
		4389	22980
		Total:	44720
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			11/14/2003
Transporter	Signature		Date
Priority Transport			11/14/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/14/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		JS	
2		JS	

Gondola has been inspected for proper marking and labeling. Int. JS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	3334		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4339		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4362		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4366		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4368		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4374		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4387		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4388		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4389		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Averaging over a Gondola PCE Results			
Bagnum	Total		
3334	37.663		
4366	0.098		
4388	0.093		
4362	0.205		
4387	0.365		
4389	0.1		
4339	0.084		
4368	0.093		
4374	0.119		
Total	38.82		

MWCX-100034
0840-01-490

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209700	22260	21670	21520	20070	23140	22980	21740	22260	23420
	0840-01-490	Bag #	3334	4366	4388	4362	4387	4389	4339	4368	4374
	Storage Loc.		avg o one								
100034	11/14/2003	209700	187440	165770	144250	124180	101040	78060	56320	34060	10640

Shipment Survey

Survey Number: GTEOSI 8951 Date: 11-3-03 Time: 1059

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4346 Storage Bin: 58 Gross Weight: 20990 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	26	<MDA
2	1		30	
3	0		17	
4	1		23	
5	0		31	
6	0		15	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LPage

Surveyor Name — Surveyor Signature

Supervisor Approval — Supervisor in lieu of R Hupping

06868-S-11Q204346-12.0

Date: 11/03/03 Time: 1116

11-03-03 10:59 Bag# 4346

20990 lb GR

110303 1059 4346 0020990

Shipment Survey

Survey Number: GTEOSI 9012 Date: 11-5-03 Time: 1257

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4410 Storage Bin: 63 Gross Weight: ~~19170~~ lbs
18810 lbs
R 5-4-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	1		27	
3	1		25	
4	0		23	
5	0		24	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06938-S-11N224410-08.0
Date: 11/05/03 Time:1321

5-4-05

11-05-03 12:57 Bag# 4410
~~19170 lb GR~~
110503 1257 4410 0019170
18810 lbs

Shipment Survey

Survey Number: GTEOSI 9013 Date: 11-5-03 Time: 1305

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4412 Storage Bin: 62 Gross Weight: 18980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	17	<MDA
2	0		22	
3	0		25	
4	1		18	
5	0		24	
6	0		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06939-S-11N224412-08.0
Date: 11/05/03 Time:1325

11-05-03 13:05 Bag# 4412
18980 lb GR
110503 1305 4412 0018980

Shipment Survey

Survey Number: GTEOSI 9014 Date: 11-5-03 Time: 1313

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4413 Storage Bin: 62 Gross Weight: 22670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	24	<MDA
2	Ø		22	
3	Ø		36	
4	Ø		25	
5	Ø		21	
6	Ø		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R. Mapping
Supervisor Approval

06940-S-11N224413-08.0
Date: 11/05/03 Time: 1330

11-05-03 13:13 Bag# 4413
22670 lb GR
110503 1313 4413 0022670

Shipment Survey

Survey Number: GTEOSI 9015 Date: 11-5-03 Time: 1321

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4414 Storage Bin: 62 Gross Weight: 19280 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	34	<MDA
2	0		27	
3	1		25	
4	0		27	
5	0		22	
6	0		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

06941-S-11N224414-08.0
Date: 11/05/03 Time:1331

11-05-03 13:21 Bag# 4414
19280 lb GR
110503 1321 4414 0019280

Shipment Survey

Survey Number: GTEOSI 9016 Date: 11-5-03 Time: 1330

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4415 Storage Bin: 62 Gross Weight: 19600 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	0		14	
3	0		29	
4	2		27	
5	0		26	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Happing
Supervisor Approval

06943-S-11N224415-08.0
Date: 11/05/03 Time:1339

11-05-03 13:30 Bag# 4415
19600 lb GR
110503 1330 4415 0019600

Shipment Survey

Survey Number: GTEOSI 9021 Date: 11-5-03 Time: 1425

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4418 Storage Bin: 60 Gross Weight: 20200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	22	<MDA
2	~~0~~		38	
3	~~0~~		25	
4	~~0~~		16	
5	~~0~~		22	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

W. Patterson on behalf of R Hopping
Supervisor Approval

06946-S-11N214418-00.0
Date: 11/05/03 Time:1404

11-05-03 14:25 Bag# 4418
20200 lb GR
110503 1425 4418 0020200

Shipment Survey

Survey Number: GTEOSI 9022 Date: 11-5-03 Time: 1443

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4420 Storage Bin: 60 Gross Weight: 19530 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	26	<MDA
2	Ø		28	
3	1		26	
4	Ø		16	
5	Ø		21	
6	Ø		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R. Hopping
Supervisor Approval

06948-S-11N214420-08.0
Date: 11/05/03 Time:1513

11-05-03 14:43 Bag# 4420
19530 lb GR
110503 1443 4420 0019530

Shipment Survey

Survey Number: GTEOSI -9024 Date: 11-05-03 Time: 1455

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4422 Storage Bin: 60 Gross Weight: 20520 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		24	
3	2		30	
4	0		28	
5	0		21	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L. LePage — Surveyor Signature

Supervisor Approval

06950-S-11N214422-00.0

Date: 11/05/03 Time:1518

11-05-03 14:55 Bag# 4422

20520 lb GR

110503 1455 4422 0020520

Shipment Survey

Survey Number: GTEOSI 9070 Date: 11-17-03 Time: 1426

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4466 Storage Bin: 33 Gross Weight: 16560 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	27	<MDA
2	0		23	
3	1		19	
4	0		36	
5	1		22	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07015-S-14X254466-02.0
Date: 11/17/03 Time:1357

11-17-03 14:26 Bag# 4466
16540 lb GR
111703 1426 4466 0016540

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-491
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-~~5226~~ 5231

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/01/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE: 12/1/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-491

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/1/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.3696E+00	2.2620E-01	NA	20990 LBS; 166 FT3	4346
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1086E+00	1.9213E-01	NA	18810 LBS; 149 FT3	4410
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9381E+00	1.8752E-01	NA	18980 LBS; 150 FT3	4412
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5641E+00	1.7741E-01	NA	22670 LBS; 179 FT3	4413
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8669E+00	1.5856E-01	NA	19280 LBS; 152 FT3	4414
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7504E+00	2.0947E-01	NA	19600 LBS; 155 FT3	4415

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-491

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0099E+01	2.7294E-01	NA	20200 LBS; 160 FT3	4418
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.2990E+00	2.2430E-01	NA	19530 LBS; 154 FT3	4420
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.2286E+00	1.9537E-01	NA	20520 LBS; 162 FT3	4422
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2663E+00	1.4233E-01	NA	16560 LBS; 131 FT3	4466

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 44.1176 ft3 1558.0000	kg 89058.3320 ton 98.1700	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.3490E+01	NP	NP	NP	NP	(kg)	4.5136E+00
mCi	1.9862E+00	NP	NP	NP	NP	(tons)	4.9754E-03

2. MANIFEST NUMBER 0840-01-491

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-491

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4346/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9520.9045	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [4.5943E-08 kg]	1.01631E-01	3.5698E-02	9.6480E-04	AU
		166.0000	10.4950	0.0100	<2.2000E+02	<2.2000E+03		166.0000				Th-232 [3.5084E-02 kg]	4.06525E-01	1.4279E-01	3.8592E-03	
												U-nat [3.1180E-01 kg]	2.33196E+01	8.1911E+00	2.2138E-01	
												Subtotal		8.3696E+00	2.2620E-01	
												Total Source [3.4688E-01 kg]		8.3696E+00	2.2620E-01	
4410/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8532.0730	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [2.2673E-07 kg]	5.59929E-01	1.7617E-01	4.7613E-03	AU
		149.0000	9.4050	0.0200	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [1.7314E-01 kg]	2.23972E+00	7.0467E-01	1.9045E-02	
												U-nat [2.3707E-01 kg]	1.97940E+01	6.2278E+00	1.6832E-01	
												Subtotal		7.1086E+00	1.9213E-01	
												Total Source [4.1021E-01 kg]		7.1086E+00	1.9213E-01	
4412/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8609.1838	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [3.6615E-07 kg]	8.96099E-01	2.8450E-01	7.6891E-03	AU
		150.0000	9.4900	0.0200	<2.2000E+02	<2.2000E+03		150.0000				Th-232 [2.7960E-01 kg]	3.58440E+00	1.1380E+00	3.0756E-02	
												U-nat [2.0996E-01 kg]	1.73731E+01	5.5156E+00	1.4907E-01	
												Subtotal		6.9381E+00	1.8752E-01	
												Total Source [4.8956E-01 kg]		6.9381E+00	1.8752E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-491

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4413/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10282.9397	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [8.7596E-08 kg]	1.79362E-01	6.8062E-02	1.8395E-03	AU
		179.0000	11.3350	0.0200	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [6.6891E-02 kg]	7.17447E-01	2.7225E-01	7.3580E-03	
												U-nat [2.3692E-01 kg]	1.64014E+01	6.2238E+00	1.6821E-01	
												Subtotal		6.5641E+00	1.7741E-01	
												Total Source [3.0381E-01 kg]		6.5641E+00	1.7741E-01	
4414/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8745.2615	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [1.6957E-07 kg]	4.08511E-01	1.3175E-01	3.5609E-03	AU
		152.0000	9.6400	0.0200	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [1.2949E-01 kg]	1.63404E+00	5.2703E-01	1.4244E-02	
												U-nat [1.9825E-01 kg]	1.61480E+01	5.2081E+00	1.4076E-01	
												Subtotal		5.8669E+00	1.5856E-01	
												Total Source [3.2774E-01 kg]		5.8669E+00	1.5856E-01	
4415/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8890.4110	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [4.2964E-07 kg]	1.01809E+00	3.3383E-01	9.0224E-03	AU
		155.0000	9.8000	0.0200	<2.2000E+02	<2.2000E+03		155.0000				Th-232 [3.2809E-01 kg]	4.07234E+00	1.3353E+00	3.6089E-02	
												U-nat [2.3150E-01 kg]	1.85467E+01	6.0813E+00	1.6436E-01	
												Subtotal		7.7504E+00	2.0947E-01	
												Total Source [5.5958E-01 kg]		7.7504E+00	2.0947E-01	
4418/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9162.5665	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [5.9740E-07 kg]	1.37340E+00	4.6417E-01	1.2545E-02	AU
		160.0000	10.1000	0.0200	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [4.5619E-01 kg]	5.49362E+00	1.8567E+00	5.0181E-02	
												U-nat [2.9608E-01 kg]	2.30132E+01	7.7778E+00	2.1021E-01	
												Subtotal		1.0099E+01	2.7294E-01	
												Total Source [7.5227E-01 kg]		1.0099E+01	2.7294E-01	
4420/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8858.6596	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [3.7531E-07 kg]	8.92553E-01	2.9162E-01	7.8815E-03	AU
		154.0000	9.7650	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [2.8660E-01 kg]	3.57021E+00	1.1665E+00	3.1526E-02	
												U-nat [2.6041E-01 kg]	2.09383E+01	6.8409E+00	1.8489E-01	
												Subtotal		8.2990E+00	2.2430E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-491

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.4701E-01 kg]		8.2990E+00	2.2430E-01	
4422/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9307.7160	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [3.8407E-07 kg]	8.69149E-01	2.9842E-01	8.0655E-03	AU
		162.0000	10.2600	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [2.9329E-01 kg]	3.47660E+00	1.1937E+00	3.2262E-02	
												U-nat [2.1836E-01 kg]	1.67068E+01	5.7365E+00	1.5504E-01	
												Subtotal		7.2286E+00	1.9537E-01	
												Total Source [5.1165E-01 kg]		7.2286E+00	1.9537E-01	
4466/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.7095	7511.4901	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.7095	100	OXIDES/NONE	0.00	Th-230 [1.0469E-07 kg]	2.93830E-01	8.1341E-02	2.1984E-03	AU
		131.0000	8.2800	0.0150	<2.2000E+02	<2.2000E+03		131.0000				Th-232 [7.9942E-02 kg]	1.17532E+00	3.2536E-01	8.7936E-03	
												U-nat [1.8498E-01 kg]	1.75538E+01	4.8596E+00	1.3134E-01	
												Subtotal		5.2663E+00	1.4233E-01	
												Total Source [2.6492E-01 kg]		5.2663E+00	1.4233E-01	
Shipment Totals		44.1176	89421.2057									Source [4.5136E+00 kg]		7.3490E+01	1.9862E+00	
		1558.0000	98.5700													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-491
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-491
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	2.1656E+00	5.8529E-02
Th-232	8.6622E+00	2.3411E-01
U-nat	6.2662E+01	1.6936E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-491
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-~~5288~~ 523

☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/01/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE: 12

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-491

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L66048

DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE: 12/1/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.3696E+00	2.2620E-01	NA	20990 LBS; 166 FT3	4346
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1086E+00	1.9213E-01	NA	18810 LBS; 149 FT3	4410
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9381E+00	1.8752E-01	NA	18980 LBS; 150 FT3	4412
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5641E+00	1.7741E-01	NA	22670 LBS; 179 FT3	4413
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8669E+00	1.5856E-01	NA	19280 LBS; 152 FT3	4414
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7504E+00	2.0947E-01	NA	19600 LBS; 155 FT3	4415

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;URS27010-039: 011404 • 0705

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-491	CIRR	MHFX 5231

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Derek B. Stovall

Shipment Date 12/1/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
~~5226~~ 5231

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4413	22670
		4414	19280
		Total:	41950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
~~5226~~ 5231

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4415	19600
		4412	18980
		Total:	38580
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/1/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	~~5226~~ 5231

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4422	20520
		4346	20990
		Total:	41510
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
~~5226~~ 5231

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4410	19170
		4418	20200
		Total:	39370
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
~~5226~~523/

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4420	19170
	4466	~~4418~~	16540 ~~20200~~
		Total:	39370
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	
MHFX	Shipment #	197900	22670	19280	19600	18980	20520	20990	19170	20200	19530	~~16820~~	16540
	0840-01-491	Bag #	4413	4414	4415	4412	4422	4346	4410	4418	4420	~~4468~~	4466
	Storage Loc.		0	0	0	0	0	0	0	0	0	0	
~~5226~~ 5231		197900	175230	155950	136350	117370	96850	75860	56690	36490	16960	140	

Daily Shipping checklist for Trucks and Packages

Date: 11/ /2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4346		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4410		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4412		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4413		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4414		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4415		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4418		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4420		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4422		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	~~4408~~ 4424		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8952 Date: 11-3-03 Time: 1110

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4348 Storage Bin: 56 Gross Weight: 20360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	18	<MDA
2	0		31	
3	3		34	
4	0		23	
5	1		32	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePAGE — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval — Inspection in lieu of R Hopping

06869-S-11Q204348-12.0

Date: 11/03/03 Time:1123

11-03-03 11:10 Bag# 4348

20360 lb GR

110303 1110 4348 0020360

Shipment Survey

Survey Number: GTEOSI 9007 Date: 11-5-03 Time: 1125

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4405 Storage Bin: 55 Gross Weight: 23220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	23	<MDA
2	~~0~~		19	
3	~~0~~		29	
4	1		33	
5	~~0~~		26	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Wyatt E R on behalf of R Upping
Supervisor Approval

06933-S-11N224405-04.0
Date: 11/05/03 Time:1148

11-05-03 11:25 Bag# 4405
23220 lb GR
110503 1125 4405 0023220

Shipment Survey

Survey Number: GTEOSI 9017 Date: 11-5-03 Time: 1333

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4411 Storage Bin: 61 Gross Weight: ~~18810~~ lbs
Re 5-4-05
19170-lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	23	<MDA
2	0		26	
3	0		25	
4	0		27	
5	0		26	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06942-S-11N224411-08.0
Date: 11/05/03 Time:1335

11-05-03 13:33 Bag# 4411
~~18810 lb GR~~
110503 1333 4411 0018810
19170-lbs
Re 5-4-05

Shipment Survey

Survey Number: GTEOSI 9018 Date: 11-5-03 Time: 1337

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4416 Storage Bin: 61 Gross Weight: 21380 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	21	<MDA
2	~~0~~		32	
3	~~0~~		36	
4	~~0~~		35	
5	~~0~~		30	
6	~~0~~		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Happing
Supervisor Approval

06944-S-11N224416-08.0
Date: 11/05/03 Time:1356

11-05-03 13:37 Bag# 4416
21380 lb GR
110503 1337 4416 0021380

Shipment Survey

Survey Number: GTEOSI 9019 Date: 11-5-03 Time: 1340

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4417 Storage Bin: 6 Gross Weight: 18290 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	27	<MDA
2	0		24	
3	0		31	
4	2		30	
5	0		24	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] — [illegible] R Hopping
Supervisor Approval

06945-S-11N214417-08.0
Date: 11/05/03 Time:1358

11-05-03 13:40 Bag# 4417
18290 lb GR
110503 1340 4417 0018290

Shipment Survey

Survey Number: GTEOSI 9020 Date: 11-5-03 Time: 1422

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4419 Storage Bin: 61 Gross Weight: 20690 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	27	<MDA
2	0		30	
3	0		22	
4	0		27	
5	0		30	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] in lieu of R Hopping
Supervisor Approval

06947-S-11N214419-08.0
Date: 11/05/03 Time:1427

11-05-03 14:22 Bag# 4419
20690 lb GR
110503 1422 4419 0020690

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9023 Date: 11-5-03 Time: 1449

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4421 Storage Bin: C00 Gross Weight: 20020 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	0		24	
3	0		19	
4	0		35	
5	0		24	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06949-S-11N214421-08.0
Date: 11/05/03 Time:1515

11-05-03 14:49 Bag# 4421
20020 lb GR
110503 1449 4421 0020020

Shipment Survey

Survey Number: GTEOSI-9025 Date: 11-05-03 Time: 1506

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4423 Storage Bin: 59 Gross Weight: 21330 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		17	
3	0		22	
4	0		32	
5	0		22	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page /DG — Surveyor Signature

Supervisor Approval — [illegible] in lieu of R Hopping

06951-S-11N214423-10.0
Date: 11/05/03 Time:1520

11-05-03 15:06 Bag# 4423
21330 lb GR
110503 1506 4423 0021330

Shipment Survey

Survey Number: GTEOSI - 9026 Date: 11-05-03 Time: 1514

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4424 Storage Bin: 59 Gross Weight: 22010 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	20	<MDA
2	0		18	
3	0		32	
4	1		23	
5	0		24	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage / DG — Surveyor Signature

Supervisor Approval — on behalf of R Hopping

06952-S-11N224424-10.0
Date: 11/05/03 Time:1525

11-05-03 15:14 Bag# 4424
22010 lb GR
110503 1514 4424 0022010

Shipment Survey

Survey Number: GTEOSI 9066 Date: 11-17-03 Time: 1255

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4463 Storage Bin: 32 Gross Weight: 10970 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	50	N/A	500
Smear #				
1	1	<MDA	26	<MDA
2	0		24	
3	0		20	
4	0		33	
5	0		26	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage — Debra LeFage

Surveyor Name — Surveyor Signature

Supervisor Approval

07011-S-14X254463-01.0

Date: 11/17/03 Time:1255

11-17-03 12:55 Bag# 4463

10970 lb GR

111703 1255 4463 0010970

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-492
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-~~5234~~ 5241

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/01/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE: 12/1/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-492

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/1/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4105E+00	9.2176E-02	NA	20360 LBS; 161 FT3	4348
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9732E+00	1.8846E-01	NA	23220 LBS; 184 FT3	4405
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3631E+00	1.9900E-01	NA	19170 LBS; 152 FT3	4411
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.2128E+00	2.2197E-01	NA	21380 LBS; 169 FT3	4416
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.8127E+00	1.3007E-01	NA	18290 LBS; 145 FT3	4417
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.6716E+00	2.6139E-01	NA	20690 LBS; 164 FT3	4419

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-492

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4829E+00	2.0224E-01	NA	20020 LBS; 158 FT3	4421
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3580E+00	2.5292E-01	NA	21330 LBS; 169 FT3	4423
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5954E+00	1.5123E-01	NA	22010 LBS; 174 FT3	4424
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9477E+00	5.2639E-02	NA	10970 LBS; 86 FT3	4463

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 44.2308	kg 89194.4095	NP	NP	NP	NP
	ft3 1562.0000	ton 98.3200				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.4798E+01	NP	NP	NP	NP	(kg)	3.8890E+00
mCi	1.7513E+00	NP	NP	NP	NP	(tons)	4.2869E-03

2. MANIFEST NUMBER 0840-01-492

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-492

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4348/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9235.1413	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [4.6689E-08 kg]	1.06489E-01	3.6277E-02	9.8046E-04	AU
		161.0000	10.1800	0.0100	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [3.5653E-02 kg]	4.25957E-01	1.4511E-01	3.9218E-03	
												U-nat [1.2292E-01 kg]	9.47896E+00	3.2291E+00	8.7274E-02	
												Subtotal		3.4105E+00	9.2176E-02	
												Total Source [1.5857E-01 kg]		3.4105E+00	9.2176E-02	
4405/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10532.4155	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [2.4357E-07 kg]	4.86879E-01	1.8925E-01	5.1149E-03	AU
		184.0000	11.6100	0.0200	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [1.8600E-01 kg]	1.94752E+00	7.5702E-01	2.0460E-02	
												U-nat [2.2942E-01 kg]	1.55050E+01	6.0269E+00	1.6289E-01	
												Subtotal		6.9732E+00	1.8846E-01	
												Total Source [4.1542E-01 kg]		6.9732E+00	1.8846E-01	
4411/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8695.3663	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [3.0382E-07 kg]	7.36170E-01	2.3607E-01	6.3803E-03	AU
		152.0000	9.5850	0.0200	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [2.3201E-01 kg]	2.94468E+00	9.4428E-01	2.5521E-02	
												U-nat [2.3535E-01 kg]	1.92801E+01	6.1827E+00	1.6710E-01	
												Subtotal		7.3631E+00	1.9900E-01	
												Total Source [4.6736E-01 kg]		7.3631E+00	1.9900E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-492

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4416/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.7855	9697.8055	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [3.1140E-07 kg]	6.76241E-01	2.4196E-01	6.5394E-03	AU
		169.0000	10.6900	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [2.3780E-01 kg]	2.70496E+00	9.6785E-01	2.6158E-02	
												U-nat [2.6657E-01 kg]	1.95720E+01	7.0030E+00	1.8927E-01	
												Subtotal		8.2128E+00	2.2197E-01	
												Total Source [5.0437E-01 kg]		8.2128E+00	2.2197E-01	
4417/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.1059	8296.2050	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1059	100	OXIDES/NONE	0.00	Th-230 [1.7060E-07 kg]	4.33333E-01	1.3255E-01	3.5825E-03	AU
		145.0000	9.1450	0.0200	<2.2000E+02	<2.2000E+03		145.0000				Th-232 [1.3027E-01 kg]	1.73333E+00	5.3021E-01	1.4330E-02	
												U-nat [1.5798E-01 kg]	1.35670E+01	4.1499E+00	1.1216E-01	
												Subtotal		4.8127E+00	1.3007E-01	
												Total Source [2.8825E-01 kg]		4.8127E+00	1.3007E-01	
4419/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.6440	9384.8268	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [2.4822E-07 kg]	5.57092E-01	1.9287E-01	5.2127E-03	AU
		164.0000	10.3450	0.0150	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.8955E-01 kg]	2.22837E+00	7.7149E-01	2.0851E-02	
												U-nat [3.3144E-01 kg]	2.51498E+01	8.7072E+00	2.3533E-01	
												Subtotal		9.6716E+00	2.6139E-01	
												Total Source [5.2100E-01 kg]		9.6716E+00	2.6139E-01	
4421/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.4741	9080.9198	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741	100	OXIDES/NONE	0.00	Th-230 [1.9384E-07 kg]	4.49645E-01	1.5061E-01	4.0705E-03	AU
		158.0000	10.0100	0.0150	<2.2000E+02	<2.2000E+03		158.0000				Th-232 [1.4802E-01 kg]	1.79858E+00	6.0243E-01	1.6282E-02	
												U-nat [2.5619E-01 kg]	2.00925E+01	6.7299E+00	1.8189E-01	
												Subtotal		7.4829E+00	2.0224E-01	
												Total Source [4.0421E-01 kg]		7.4829E+00	2.0224E-01	
4423/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.7855	9675.1259	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [4.9932E-07 kg]	1.08688E+00	3.8798E-01	1.0486E-02	AU
		169.0000	10.6650	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [3.8130E-01 kg]	4.34752E+00	1.5519E+00	4.1943E-02	
												U-nat [2.8238E-01 kg]	2.07814E+01	7.4181E+00	2.0049E-01	
												Subtotal		9.3580E+00	2.5292E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-492

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [6.6368E-01 kg]		9.3580E+00	2.5292E-01	
4424/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9983.5687	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [2.8312E-07 kg]	5.97163E-01	2.1998E-01	5.9455E-03	AU
		174.0000	11.0050	0.0200	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [2.1620E-01 kg]	2.38865E+00	8.7993E-01	2.3782E-02	
												U-nat [1.7113E-01 kg]	1.22038E+01	4.4955E+00	1.2150E-01	
												Subtotal		5.5954E+00	1.5123E-01	
												Total Source [3.8733E-01 kg]		5.5954E+00	1.5123E-01	
4463/GTEOSI	19 Strong Tight Container Loaded in Gondola	2.4352	4975.9086	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	2.4352	100	OXIDES/NONE	0.00	Th-230 [7.5872E-09 kg]	3.22270E-02	(5.8952E-03)	(1.5933E-04)	AU
		86.0000	5.4850	0.0100	<2.2000E+02	<2.2000E+03		86.0000				Th-232 [5.7939E-03 kg]	1.28908E-01	(2.3581E-02)	(6.3733E-04)	
												U-nat [7.3017E-02 kg]	1.04857E+01	1.9182E+00	5.1842E-02	
												Subtotal		1.9182E+00	5.1842E-02	
												Total Source [7.8811E-02 kg]		1.9182E+00	5.1842E-02	
Shipment Totals		44.2308	89557.2834									Source [3.8890E+00 kg]		6.4798E+01	1.7513E+00	
		1562.0000	98.7200													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-492
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-492
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.7934E+00	4.8471E-02
Th-232	7.1737E+00	1.9389E-01
U-nat	5.5860E+01	1.5097E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-492
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-~~5231~~

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/01/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE: 12

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-492

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L66049

DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4105E+00	9.2176E-02	NA	20360 LBS; 161 FT3	4348
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9732E+00	1.8846E-01	NA	23220 LBS; 184 FT3	4405
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3631E+00	1.9900E-01	NA	19170 LBS; 152 FT3	4411
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.2128E+00	2.2197E-01	NA	21380 LBS; 169 FT3	4416
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.8127E+00	1.3007E-01	NA	18290 LBS; 145 FT3	4417
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.6716E+00	2.6139E-01	NA	20690 LBS; 164 FT3	4419

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-492	LIRR	MHFX 5241

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/1/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
~~5231~~ 5241

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4421	20020
		4416	21380
		Total:	41400
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/1/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	~~5231~~ 5241

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4417	18290
		4419	20690
		Total:	38980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/1/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	~~5231~~ 5241

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4405	23220
		4423	21330
		Total:	44550
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
~~5231~~ 5241

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4424	22010
		4348	20360
		Total:	42370
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/1/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	~~5231~~ 5241

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4411	18810
		4463	10970
		Total:	29780
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Daily Shipping checklist for Trucks and Packages

Date: 11/ /2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		N	
2		N	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4348		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4405		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4411		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4416		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4417		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4419		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4421		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4423		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4424		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4463		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	198800	20020	21380	18290	20690	23220	21330	22010	20360	18810	10970
	0840-01-492	Bag #	4421	4416	4417	4419	4405	4423	4424	4348	4411	4463
	Storage Loc.											
~~5231~~		198800	178780	157400	139110	118420	95200	73870	51860	31500	12690	1720

5241

Shipment Survey

Survey Number: GTEOSI 8633 Date: 10-21-03 Time: 1554

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4029 Storage Bin: 37 Gross Weight: 21260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	33	<MDA
2	1		31	
3	3		44	
4	2		33	
5	1		31	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

06381-S-14X164029-06.0

Date: 10/21/03 Time:1608

10-21-03 15:54 Bag# 4029

21260 lb GR

102103 1554 4029 0021260

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8914 Date: 10-31-03 Time: 1427

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4311 Storage Bin: 47 Gross Weight: 21990 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .013 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	< MDA	22	< MDA
2	0		14	
3	1		34	
4	1		27	
5	0		29	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06825-S-11P214311-16.0
Date: 10/31/03 Time:1438

10-31-03 14:27 Bag# 4311
21990 lb GR
103103 1427 4311 0021990

Shipment Survey

Survey Number: GTEOSI 9009 Date: 11-5-03 Time: 1243

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4407 Storage Bin: 63 Gross Weight: 20230 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	25	<MDA
2	0		26	
3	0		30	
4	0		27	
5	0		27	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

[illegible] in lieu of R. Hepping

Supervisor Approval

06935-S-11N214407-08.0
Date: 11/05/03 Time: 1313

11-05-03 12:43 Bag# 4407
20230 lb GR
110503 1243 4407 0020230

Shipment Survey

Survey Number: GTEOSI 9011 Date: 11-5-03 Time: 1249

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4408 Storage Bin: 63 Gross Weight: 19020 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	22	<MDA
2	0		24	
3	1		27	
4	0		29	
5	0		30	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] in lieu of R Hopping
Supervisor Approval

06936-S-11N224408-08.0
Date: 11/05/03 Time:1315

11-05-03 12:49 Bag# 4408
19020 lb GR
110503 1249 4408 0019020

Shipment Survey

Survey Number: GTEOSI 9010 Date: 11-5-03 Time: 1247

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4409 Storage Bin: 63 Gross Weight: 21130 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	29	<MDA
2	Ø		31	
3	Ø		26	
4	Ø		22	
5	Ø		30	
6	Ø		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] on behalf of R Hoppping
Supervisor Approval

06937-S-11N224409-08.0
Date: 11/05/03 Time:1319

11-05-03 12:47 Bag# 4409
21130 lb GR
110503 1247 4409 0021130

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9027 Date: 11-05-03 Time: 1528

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4425 Storage Bin: 59 Gross Weight: 19670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	27	<MDA
2	0		22	
3	0		24	
4	0		17	
5	0		25	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage / DQ
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06953-S-11N224425-10.0
Date: 11/05/03 Time:1553

11-05-03 15:28 Bag# 4425
19670 lb GR
110503 1528 4425 0019670

Shipment Survey

Survey Number: GTEOSI 9032 Date: 11-6-03 Time: 1121

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4430 Storage Bin: 45 Gross Weight: 21910 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	LMDA	30	LMDA
2	~~0~~		37	
3	1		20	
4	~~0~~		24	
5	~~0~~		30	
6	~~0~~		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06962-S-11N214430-04.0

Date: 11/06/03 Time:1124

11-06-03 11:21 Bag# 4430

21910 lb GR

110603 1121 4430 0021910

Shipment Survey

Survey Number: GTEOSI 9039 Date: 11-7-03 Time: 0950

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4437 Storage Bin: 47 Gross Weight: 17810 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	19	<MDA
2	0		25	
3	0		30	
4	0		16	
5	1		25	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

86977-S-110204437-18.0

Date: 11/07/03 Time:1025

11-07-03 9:50 Bag# 4437

17810 lb GR

110703 0950 4437 0017810

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9057 Date: 11-7-03 Time: 1525

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4454 Storage Bin: 32 Gross Weight: 19980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	34	<MDA
2	0		33	
3	0		31	
4	0		35	
5	0		24	
6	1		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06997-S-11P214454-18.0
Date: 11/07/03 Time:1546

11-07-03 15:25 Bag# 4454
19980 lb GR
110703 1525 4454 0019980

Shipment Survey

Survey Number: GTEOSI 9069 Date: 11-17-03 Time: 1335

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4467 Storage Bin: 32 Gross Weight: 14820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	0		25	
3	0		16	
4	0		38	
5	0		23	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE Page — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07014-S-14X254467-02.0

Date: 11/17/03 Time:1341

11-17-03 13:35 Bag# 4467

14820 lb GR

111703 1335 4467 0014820

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-493
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: ~~MHFH-6241~~ MWCX 100061

☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/01/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE: 12/1/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-493

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Broker GTEOSI | DATE: 12/1/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8068E+00	1.0289E-01	NA	21260 LBS; 168 FT3	4029
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2403E+00	1.6866E-01	NA	21990 LBS; 174 FT3	4311
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.8502E+00	2.3920E-01	NA	20230 LBS; 160 FT3	4407
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1853E+00	1.6717E-01	NA	19020 LBS; 150 FT3	4408
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0373E+01	2.8034E-01	NA	21130 LBS; 167 FT3	4409
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0740E+01	2.9028E-01	NA	19670 LBS; 155 FT3	4425

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-493

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9784E+00	1.6158E-01	NA	21910 LBS; 173 FT3	4430
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.7796E+00	1.8323E-01	NA	17810 LBS; 141 FT3	4437
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8846E+00	1.0499E-01	NA	19980 LBS; 158 FT3	4454
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3421E+00	1.1735E-01	NA	14820 LBS; 117 FT3	4467

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 44.2592 / ft3 1563.0000	kg 89366.7748 / ton 98.5100	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.3669E+01	NP	NP	NP	NP	(kg)	3.5714E+00
mCi	1.7208E+00	NP	NP	NP	NP	(tons)	3.9368E-03

2. MANIFEST NUMBER 0840-01-493

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-493

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4029/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9643.3744	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [7.6218E-08 kg]	1.66454E-01	5.9222E-02	1.6006E-03	AU
		168.0000	10.6300	0.0100	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [5.8203E-02 kg]	6.65816E-01	2.3689E-01	6.4023E-03	
												U-nat [1.3364E-01 kg]	9.86771E+00	(3.5107E+00)	(9.4885E-02)	
												Subtotal		2.9611E-01	8.0029E-03	
												Total Source [1.9184E-01 kg]		2.9611E-01	8.0029E-03	
4311/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9974.4969	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [2.2491E-07 kg]	4.74823E-01	1.7475E-01	4.7231E-03	AU
		174.0000	10.9950	0.0130	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [1.7175E-01 kg]	1.89929E+00	6.9904E-01	1.8893E-02	
												U-nat [2.0428E-01 kg]	1.45808E+01	5.3665E+00	1.4504E-01	
												Subtotal		6.2403E+00	1.6866E-01	
												Total Source [3.7603E-01 kg]		6.2403E+00	1.6866E-01	
4407/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9176.1743	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.4196E-07 kg]	3.25887E-01	1.1030E-01	2.9812E-03	AU
		160.0000	10.1150	0.0150	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [1.0841E-01 kg]	1.30355E+00	4.4123E-01	1.1925E-02	
												U-nat [3.1590E-01 kg]	2.45172E+01	8.2987E+00	2.2429E-01	
												Subtotal		8.8502E+00	2.3920E-01	
												Total Source [4.2430E-01 kg]		8.8502E+00	2.3920E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-493

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4408/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8627.3274	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [1.2296E-07 kg]	3.00284E-01	9.5538E-02	2.5821E-03	AU
		150.0000	9.5100	0.0200	<2.2000E+02	<2.2000E+03		150.0000				Th-232 [9.3893E-02 kg]	1.20113E+00	3.8214E-01	1.0328E-02	
												U-nat [2.1727E-01 kg]	1.79396E+01	5.7076E+00	1.5426E-01	
												Subtotal		6.1853E+00	1.6717E-01	
												Total Source [3.1116E-01 kg]		6.1853E+00	1.6717E-01	
4409/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9584.4074	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.5171E-07 kg]	3.33369E-01	1.1788E-01	3.1859E-03	AU
		167.0000	10.5650	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [1.1585E-01 kg]	1.33348E+00	4.7153E-01	1.2744E-02	
												U-nat [3.7241E-01 kg]	2.76676E+01	9.7832E+00	2.6441E-01	
												Subtotal		1.0373E+01	2.8034E-01	
												Total Source [4.8826E-01 kg]		1.0373E+01	2.8034E-01	
4425/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8922.1625	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [6.6997E-07 kg]	1.58191E+00	5.2055E-01	1.4069E-02	AU
		155.0000	9.8350	0.0200	<2.2000E+02	<2.2000E+03		155.0000				Th-232 [5.1161E-01 kg]	6.32766E+00	2.0822E+00	5.6277E-02	
												U-nat [3.0976E-01 kg]	2.47286E+01	8.1374E+00	2.1993E-01	
												Subtotal		1.0740E+01	2.9028E-01	
												Total Source [8.2138E-01 kg]		1.0740E+01	2.9028E-01	
4430/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9938.2095	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [4.9487E-08 kg]	1.04858E-01	3.8450E-02	1.0392E-03	AU
		173.0000	10.9550	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [3.7790E-02 kg]	4.19433E-01	1.5381E-01	4.1569E-03	
												U-nat [2.2025E-01 kg]	1.57784E+01	5.7861E+00	1.5638E-01	
												Subtotal		5.9784E+00	1.6158E-01	
												Total Source [2.5804E-01 kg]		5.9784E+00	1.6158E-01	
4437/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.9927	8078.4806	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9927	100	OXIDES/NONE	0.00	Th-230 [3.4416E-08 kg]	8.97872E-02	2.6741E-02	7.2274E-04	AU
		141.0000	8.9050	0.0100	<2.2000E+02	<2.2000E+03		141.0000				Th-232 [2.6281E-02 kg]	3.59149E-01	1.0696E-01	2.8909E-03	
												U-nat [2.5299E-01 kg]	2.23148E+01	6.6459E+00	1.7962E-01	
												Subtotal		6.7796E+00	1.8323E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-493

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.7927E-01 kg]		6.7796E+00	1.8323E-01	
4454/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4741 158.0000	9062.7762 9.9900	0.0001 0.0100	<3.6740E-06 <2.2000E+02	<3.6740E-05 <2.2000E+03	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741 158.0000	100	OXIDES/NONE	0.00	Th-230 [7.7211E-08 kg] Th-232 [5.8961E-02 kg] U-nat [1.3645E-01 kg] Subtotal	1.79468E-01 7.17872E-01 1.07234E+01	5.9992E-02 2.3997E-01 3.5846E+00 3.8846E+00	1.6214E-03 6.4857E-03 9.6882E-02 1.0499E-01	AU
												Total Source [1.9541E-01 kg]		3.8846E+00	1.0499E-01	
4467/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.3131 117.0000	6722.2394 7.4100	0.0002 0.0150	<3.6740E-06 <2.2000E+02	<3.6740E-05 <2.2000E+03	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.3131 117.0000	100	OXIDES/NONE	0.00	Th-230 [9.8131E-08 kg] Th-232 [7.4936E-02 kg] U-nat [1.5078E-01 kg] Subtotal	3.07943E-01 1.23177E+00 1.59973E+01	7.6246E-02 3.0499E-01 3.9609E+00 4.3421E+00	2.0607E-03 8.2430E-03 1.0705E-01 1.1735E-01	AU
												Total Source [2.2572E-01 kg]		4.3421E+00	1.1735E-01	
Shipment Totals		44.2592 1563.0000	89729.6486 98.9100									Source [3.5714E+00 kg]		6.3669E+01	1.7208E+00	

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-493
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-493
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.2797E+00	3.4586E-02
Th-232	5.1188E+00	1.3835E-01
U-nat	6.0781E+01	1.6427E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-493
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: ~~MHFX-6241~~

☑ GENERATOR TYPE (Specify): I

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/01/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-493

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: L66051

DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8068E+00	1.0289E-01	NA	21260 LBS; 168 FT3	4029
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2403E+00	1.6866E-01	NA	21990 LBS; 174 FT3	4311
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.8502E+00	2.3920E-01	NA	20230 LBS; 160 FT3	4407
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1853E+00	1.6717E-01	NA	19020 LBS; 150 FT3	4408
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0373E+01	2.8034E-01	NA	21130 LBS; 167 FT3	4409
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0740E+01	2.9028E-01	NA	19670 LBS; 155 FT3	4425

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-493	LI 1212	MWCX 100061

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/1/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
~~MHFX~~ MWCK
~~5241~~ 100061

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4407	20230
		4409	21130
		Total:	41360
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
~~MHFX~~ MWCX
~~5241~~ 100061

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4311	21990
		4454	19980
		Total:	41970
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/1/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola ~~MHFX~~ NWCX
Emergency Contact:	CHEMTREC 800-424-9300	~~5241~~ 100061
TR:	TL:	

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4408	19020
		4029	21260
		Total:	40280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/1/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola ~~NHPX~~ MWCX
Emergency Contact:	CHEMTREC 800-424-9300	~~5241~~ 100061

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4425	19670
		4430	21910
		Total:	41580
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/1/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
~~MHFX~~ MWCX
~~15241~~ 100061

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4437	17810
		4467	14820
		Total:	32630
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/1/2003
Transporter	Signature		Date
Priority Transport			12/1/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
Muck ~~MHFX~~	Shipment #	197900	20230	21130	19020	21260	21990	19980	19670	21910	17810	14820
	0840-01-493	Bag #	4407	4409	4408	4029	4311	4454	4425	4430	4437	4467
	Storage Loc.											
	~~5241~~	197900	177670	156540	137520	116260	94270	74290	54620	32710	14900	80

100061

Daily Shipping checklist for Trucks and Packages

Date: ~~11/ 12003~~ 12-1-03 NS

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4029		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4311		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4407		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4408		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4409		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4425		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4430		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4437		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4454		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4467		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8958 Date: 11-03-03 Time: 1250

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4354 Storage Bin: 55 Gross Weight: 21910 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	30	<MDA
2	0		33	
3	2		33	
4	1		32	
5	1		26	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06875-S-1102204354-12.0
Date: 11/03/03 Time:1200

11-03-03 12:50 Bag# 4354
21910 lb GR
110303 1250 4354 0021910

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8959 Date: 11-03-03 Time: 1254

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4356 Storage Bin: 55 Gross Weight: 22090 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	17	<MDA
2	~~0~~		32	
3	~~0~~		32	
4	1		32	
5	~~0~~		27	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

06877-S-11P214356-15.0
Date: 11/03/03 Time:1204

11-03-03 12:54 Bag# 4356
22090 lb GR
110303 1254 4356 0022090

Shipment Survey

Survey Number: GTEOSI - 9029 Date: 11/05/03 Time: 1541

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4427 Storage Bin: 59 Gross Weight: 22660 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	32	LMDA
2	0		28	
3	0		27	
4	1		35	
5	1		24	
6	1		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage / DG
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06955-S-11N224427-10.0
Date: 11/05/03 Time:1559

11-05-03 15:41 Bag# 4427
22660 lb GR
110503 1541 4427 0022660

Shipment Survey

Survey Number: GTEOSI 9056 Date: 11-7-03 Time: 1515

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4453 Storage Bin: 32 Gross Weight: 22440 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	28	<MDA
2	~~0~~		30	
3	~~0~~		22	
4	~~0~~		27	
5	~~0~~		21	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

06995-S-11P214453-18.0
Date: 11/07/03 Time:1541

11-07-03 15:15 Bag# 4453
22440 lb GR
110703 1515 4453 0022440

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9061 Date: 11-11-03 Time: 1421

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4459 Storage Bin: 34 Gross Weight: 21360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	24	<MDA
2	~~0~~		24	
3	~~0~~		25	
4	~~0~~		27	
5	1		21	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07004-S-04U154459-24.0

Date: 11/11/03 Time:1458

11-11-03 14:21 Bag# 4459

21360 lb GR

111103 1421 4459 0021360

Shipment Survey

Survey Number: GTEOSI 9075 Date: 11-17-03 Time: 1530

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4472 Storage Bin: 34 Gross Weight: 15360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	31	<MDA
2	0		23	
3	0		25	
4	2		25	
5	0		17	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

07020-S-14X244472-02.0
Date: 11/17/03 Time:1538

11-17-03 15:30 Bag# 4472
15360 lb GR
111703 1530 4472 0015360

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9082 Date: 11-18-03 Time: 1436

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4478 Storage Bin: 38 Gross Weight: 20280 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	36	<MDA
2	Ø		30	
3	Ø		30	
4	Ø		23	
5	Ø		41	
6			22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage
Surveyor Name

Surveyor Signature

Supervisor Approval

07032-S-14X204478-02.0
Date: 11/18/03 Time:1424

11-18-03 14:36 Bag# 4478
20280 lb GR
111803 1436 4478 0020280

Shipment Survey

Survey Number: GTEOSI 9083 Date: 11-18-03 Time: 1442

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4479 Storage Bin: 38 Gross Weight: 20460 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	13	<MDA
2	0		23	
3	0		30	
4	1		30	
5	1		16	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07033-S-14X204479-02.0

Date: 11/18/03 Time:1426

11-18-03 14:42 Bag# 4479

20460 lb GR

111803 1442 4479 0020460

Shipment Survey

Survey Number: GTEOSI 9088 Date: 11-18-03 Time: 1554

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4485 Storage Bin: 39 Gross Weight: 17140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	27	<MDA
2	0		20	
3	0		30	
4	0		28	
5	1		23	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07041-S-14X204485-04.0
Date: 11/18/03 Time:1603

11-18-03 15:54 Bag# 4485
17140 lb GR
111803 1554 4485 0017140

Shipment Survey

Survey Number: GTEOSI 9089 Date: 11-18-03 Time: 1613

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4486 Storage Bin: 39 Gross Weight: 15920 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	27	<MDA
2	~~0~~		20	
3	~~0~~		36	
4	~~0~~		25	
5	~~0~~		39	
6	~~0~~		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07042-S-14X214486-02.0
Date: 11/18/03 Time: 1617

11-18-03 16:13 Bag# 4486
15920 lb GR
111803 1613 4486 0015920

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-494
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5233
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/02/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 12/2/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-494

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature]
TITLE: Broker GTEOSI
DATE: 12/2/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8129E+00	7.6023E-02	NA	21910 LBS; 173 FT3	4354
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4596E+01	3.9449E-01	NA	22090 LBS; 175 FT3	4356
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7709E+00	1.0192E-01	NA	22660 LBS; 179 FT3	4427
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4595E+00	1.7458E-01	NA	22440 LBS; 177 FT3	4453
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5297E+00	1.4945E-01	NA	21360 LBS; 169 FT3	4459
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2505E+00	8.7852E-02	NA	15360 LBS; 121 FT3	4472

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-494

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0497E+01	2.8370E-01	NA	20280 LBS; 160 FT3	4478
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6664E+00	1.2612E-01	NA	20460 LBS; 162 FT3	4479
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.7399E+00	2.6324E-01	NA	17140 LBS; 135 FT3	4485
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6500E+00	1.5270E-01	NA	15920 LBS; 126 FT3	4486

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT
10	m3 44.6555 / ft3 1577.0000	kg 90183.2410 / ton 99.4100

SPECIAL NUCLEAR MATERIAL (grams)	U-233	U-235	Pu	Total
	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.2733E+01	NP	NP	NP	NP	(kg)	3.0234E+00
mCi	1.6955E+00	NP	NP	NP	NP	(tons)	3.3328E-03

2. MANIFEST NUMBER 0840-01-494

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-494

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4354/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9938.2095	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [4.9303E-08 kg]	1.04468E-01	3.8310E-02	1.0354E-03	AU
		173.0000	10.9550	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [3.7650E-02 kg]	4.17872E-01	1.5324E-01	4.1415E-03	
												U-nat [9.9783E-02 kg]	7.14831E+00	2.6213E+00	7.0846E-02	
												Subtotal		2.8129E+00	7.6023E-02	
												Total Source [1.3743E-01 kg]		2.8129E+00	7.6023E-02	
4356/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10019.8561	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [7.0768E-08 kg]	1.48723E-01	5.4986E-02	1.4861E-03	AU
		175.0000	11.0450	0.0100	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [5.4041E-02 kg]	5.94894E-01	2.1995E-01	5.9445E-03	
												U-nat [5.4515E-01 kg]	3.87347E+01	1.4321E+01	3.8706E-01	
												Subtotal		1.4596E+01	3.9449E-01	
												Total Source [5.9919E-01 kg]		1.4596E+01	3.9449E-01	
4427/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10278.4038	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [7.0142E-08 kg]	1.43688E-01	5.4501E-02	1.4730E-03	AU
		179.0000	11.3300	0.0150	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [5.3563E-02 kg]	5.74752E-01	2.1800E-01	5.8920E-03	
												U-nat [1.3317E-01 kg]	9.22339E+00	3.4984E+00	9.4552E-02	
												Subtotal		3.7709E+00	1.0192E-01	
												Total Source [1.8674E-01 kg]		3.7709E+00	1.0192E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-494

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4453/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10178.6135	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [8.0498E-08 kg]	1.66525E-01	6.2549E-02	1.6905E-03	AU
		177.0000	11.2200	0.0100	<2.2000E+02	<2.2000E+03		177.0000				Th-232 [6.1472E-02 kg]	6.66099E-01	2.5019E-01	6.7619E-03	
												U-nat [2.3399E-01 kg]	1.63652E+01	6.1468E+00	1.6613E-01	
												Subtotal		6.4595E+00	1.7458E-01	
												Total Source [2.9546E-01 kg]		6.4595E+00	1.7458E-01	
4459/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9688.7337	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [4.3232E-08 kg]	9.39716E-02	3.3591E-02	9.0787E-04	AU
		169.0000	10.6800	0.0100	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [3.3014E-02 kg]	3.75887E-01	1.3437E-01	3.6315E-03	
												U-nat [2.0411E-01 kg]	1.49997E+01	5.3617E+00	1.4491E-01	
												Subtotal		5.5297E+00	1.4945E-01	
												Total Source [2.3712E-01 kg]		5.5297E+00	1.4945E-01	
4472/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.4263	6967.1793	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.4263	100	OXIDES/NONE	0.00	Th-230 [7.6786E-08 kg]	2.32447E-01	5.9663E-02	1.6125E-03	AU
		121.0000	7.6800	0.0150	<2.2000E+02	<2.2000E+03		121.0000				Th-232 [5.8637E-02 kg]	9.29787E-01	2.3865E-01	6.4501E-03	
												U-nat [1.1238E-01 kg]	1.15017E+01	2.9522E+00	7.9789E-02	
												Subtotal		3.2505E+00	8.7852E-02	
												Total Source [1.7102E-01 kg]		3.2505E+00	8.7852E-02	
4478/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9198.8539	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [9.9281E-08 kg]	2.27340E-01	7.7141E-02	2.0849E-03	AU
		160.0000	10.1400	0.0100	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [7.5814E-02 kg]	9.09362E-01	3.0857E-01	8.3396E-03	
												U-nat [3.8490E-01 kg]	2.97991E+01	1.0111E+01	2.7328E-01	
												Subtotal		1.0497E+01	2.8370E-01	
												Total Source [4.6072E-01 kg]		1.0497E+01	2.8370E-01	
4479/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9280.5005	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [1.0981E-07 kg]	2.49220E-01	8.5318E-02	2.3059E-03	AU
		162.0000	10.2300	0.0150	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [8.3851E-02 kg]	9.96879E-01	3.4128E-01	9.2237E-03	
												U-nat [1.6140E-01 kg]	1.23852E+01	(4.2398E+00)	(1.1459E-01)	
												Subtotal		4.2660E-01	1.1530E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-494

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.4525E-01 kg]		4.2660E-01	1.1530E-02	
4485/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.8228	7774.5737	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.8228	100	OXIDES/NONE	0.00	Th-230 [1.0105E-07 kg]	2.73972E-01	7.8514E-02	2.1220E-03	AU
		135.0000	8.5700	0.0150	<2.2000E+02	<2.2000E+03		135.0000				Th-232 [7.7163E-02 kg]	1.09589E+00	3.1405E-01	8.4879E-03	
												U-nat [3.5582E-01 kg]	3.26178E+01	9.3473E+00	2.5263E-01	
												Subtotal		9.7399E+00	2.6324E-01	
												Total Source [4.3298E-01 kg]		9.7399E+00	2.6324E-01	
4486/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.5679	7221.1910	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.5679	100	OXIDES/NONE	0.00	Th-230 [6.8975E-08 kg]	2.01418E-01	5.3595E-02	1.4485E-03	AU
		126.0000	7.9600	0.0100	<2.2000E+02	<2.2000E+03		126.0000				Th-232 [5.2672E-02 kg]	8.05674E-01	2.1437E-01	5.7939E-03	
												U-nat [2.0487E-01 kg]	2.02264E+01	5.3820E+00	1.4546E-01	
												Subtotal		5.6500E+00	1.5270E-01	
												Total Source [2.5754E-01 kg]		5.6500E+00	1.5270E-01	
Shipment Totals		44.6555	90546.1150									Source [3.0234E+00 kg]		6.2733E+01	1.6955E+00	
		1577.0000	99.8100													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-494
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-494
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	5.9816E-01	1.6167E-02
Th-232	2.3927E+00	6.4666E-02
U-nat	6.3982E+01	1.7293E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-494
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5233
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/02/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt
DATE

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-494

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt: L 66052
DATE: 12-19-04

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8129E+00	7.6023E-02	NA	21910 LBS; 173 FT3	4354
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4596E+01	3.9449E-01	NA	22090 LBS; 175 FT3	4356
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7709E+00	1.0192E-01	NA	22660 LBS; 179 FT3	4427
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4595E+00	1.7458E-01	NA	22440 LBS; 177 FT3	4453
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5297E+00	1.4945E-01	NA	21360 LBS; 169 FT3	4459
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2505E+00	8.7852E-02	NA	15360 LBS; 121 FT3	4472

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0540-01-494	LIRR	MHFX 5233

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dwk O'Shea

Shipment Date 12/2/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5233

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4478	20280
		4479	20460
		Total:	40740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5233

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4485	21910
		4486	15920
		Total:	37830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5233

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4354	21910
		4356	22090
		Total:	44000
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5233

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4427	22660
		4459	21360
		Total:	44020
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/2/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5233

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4453	22440
		4472	15360
		Total:	37800
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

12/2/03

Daily Shipping checklist for Trucks and Packages

Date: ~~12/4/2003~~

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4354		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4356		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4427		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4453		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4459		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4472		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4478		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4479		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4485		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4486		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	199700	20280	20460	17140	15920	21910	22090	22660	21360	22440	15360
	0840-01-494	Bag #	4478	4479	4485	4486	4354	4356	4427	4459	4453	4472
	Storage Loc.											
5233	12/2/2003	199700	179420	158960	141820	125900	103990	81900	59240	37880	15440	80

Shipment Survey

Survey Number: GTE05I 8896 Date: 10-30-03 Time: 1419

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4294 Storage Bin: 42 Gross Weight: 21440 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	35	<MDA
2	0		12	
3	1		31	
4	1		35	
5	1		23	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06743-S-11Q204294-03.0
Date: 10/30/03 Time:1406

10-30-03 14:19 Bag# 4294
21440 lb GR
103003 1419 4294 0021440

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8966 Date: 11-4-03 Time: 0817

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4363 Storage Bin: 100 Aisle Gross Weight: 22460 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	30	<MDA
2	0		22	
3	2		27	
4	1		27	
5	0		16	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA L. PAGE
Surveyor Name

Debra L Page
Surveyor Signature

Wayne [illegible] in lieu of R Hopping
Supervisor Approval

06884-S-11P204363-06.0
Date: 11/04/03 Time:0939

11-04-03 8:17 Bag# 4363
22460 lb GR
110403 0817 4363 0022460

Shipment Survey

Survey Number: GTEOSI 8968 Date: 11-4-03 Time: 0836

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4365 Storage Bin: LOO AISLE Gross Weight: 22000 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .012 mrem/hr Transport Index: 0 mrem/hr

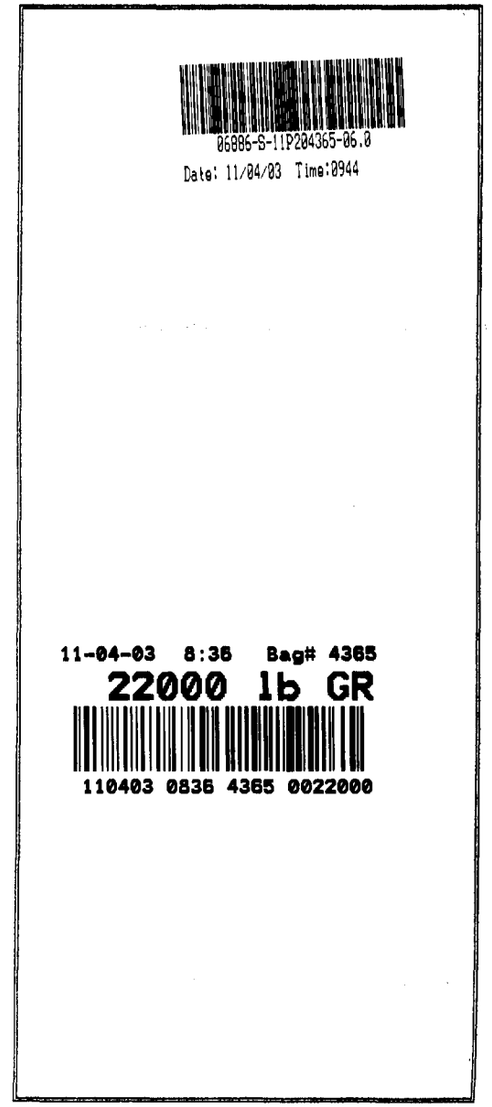
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	LMDA	32	LMDA
2	Ø		23	
3	Ø		22	
4	1		30	
5	Ø		29	
6	1		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI -8978 Date: 11-4-03 Time: 1025

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4376 Storage Bin: 100 AISLE Gross Weight: 22290 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	20	<MDA
2	1		21	
3	0		36	
4	0		24	
5	0		29	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra R LePage /S Gore
Surveyor Name — Surveyor Signature

under ref R Hopping
Supervisor Approval

06896-S-11P224376-22.0
Date: 11/04/03 Time:1041

11-04-03 10:25 Bag# 4376
22290 lb GR
110403 1025 4376 0022290

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI -8982 Date: 11-4-03 Time: 1055

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4381 Storage Bin: 100 AISLE Gross Weight: 22770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	23	<MDA
2	0		21	
3	1		26	
4	1		36	
5	1		22	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage / DQ — Surveyor Signature

Supervisor Approval

06901-S-11P224381-22.0
Date: 11/04/03 Time:1130

11-04-03 10:55 Bag# 4381
22770 lb GR
110403 1055 4381 0022770

Shipment Survey

Survey Number: GTEOSI -8983 Date: 11-4-03 Time: 1104

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4382 Storage Bin: 100 AISLE Gross Weight: 23350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	31	<MDA
2	4		21	
3	0		21	
4	0		28	
5	0		31	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page / DLP
Surveyor Signature

[illegible]
Supervisor Approval

06905-S-11P224382-22.0
Date: 11/04/03 Time: 1147

11-04-03 11:04 Bag# 4382
23350 lb GR
110403 1104 4382 0023350

Shipment Survey

Survey Number: GTEOSI - 8985 Date: 11-4-03 Time: 1121

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4383 Storage Bin: 100 AISLE Gross Weight: 23510 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	21	<MDA
2	0		23	
3	0		32	
4	0		26	
5	0		25	
6	0		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage / DL
Surveyor Signature

Supervisor Approval

06903-S-11P224383-22.0
Date: 11/04/03 Time: 1141

11-04-03 11:21 Bag# 4383
23510 lb GR
110403 1121 4383 0023510

Shipment Survey

Survey Number: GTEOSI 9060 Date: 11-11-03 Time: 1338

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4458 Storage Bin: 34 Gross Weight: 19600 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	28	<MDA
2	~~0~~		16	
3	2		18	
4	~~0~~		23	
5	1		28	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07003-S-04U164458-24.0

Date: 11/11/03 Time: 1339

11-11-03 13:38 Bag# 4458

19600 lb GR

111103 1338 4458 0019600

Shipment Survey

Survey Number: GTEOSI 9068 Date: 11-17-03 Time: 1321

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4465 Storage Bin: 32 Gross Weight: 15560 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	34	< MDA
2	1		28	
3	0		18	
4	0		38	
5	0		29	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE Page
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07013-S-14X254465-01.0
Date: 11/17/03 Time:1321

11-17-03 13:22 Bag# 4465
15560 lb GR
111703 1322 4465 0015560

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-495
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5232

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER – Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/02/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt: George Amato
DATE: 12/2/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-495

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/2/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1627E+00	1.6656E-01	NA	21440 LBS; 170 FT3	4294
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1973E+00	1.4047E-01	NA	22460 LBS; 178 FT3	4363
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1472E+01	3.1006E-01	NA	22000 LBS; 174 FT3	4365
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5590E+00	1.2322E-01	NA	22290 LBS; 176 FT3	4376
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3715E+00	1.4518E-01	NA	22770 LBS; 180 FT3	4381
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3877E+00	1.1859E-01	NA	23350 LBS; 185 FT3	4382

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-495

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3807E+00	1.9948E-01	NA	23510 LBS; 186 FT3	4383
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.7191E+00	4.6463E-02	NA	19600 LBS; 155 FT3	4458
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1025E+00	1.3790E-01	NA	15560 LBS; 123 FT3	4465

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3	43.2398	kg	87207.6748	NP	NP	NP	NP
	ft3	1527.0000	ton	96.1300				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.1352E+01	NP	NP	NP	NP	(kg)	2.6062E+00
mCi	1.3879E+00	NP	NP	NP	NP	(tons)	2.8728E-03

2. MANIFEST NUMBER 0840-01-495

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-495

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4294/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9725.0211	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.1150E-07 kg]	2.41454E-01	8.6636E-02	2.3415E-03	AU
		170.0000	10.7200	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [8.5145E-02 kg]	9.65816E-01	3.4654E-01	9.3659E-03	
												U-nat [2.1810E-01 kg]	1.59682E+01	5.7295E+00	1.5485E-01	
												Subtotal		6.1627E+00	1.6656E-01	
												Total Source [3.0325E-01 kg]		6.1627E+00	1.6656E-01	
4363/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10187.6853	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [6.8149E-08 kg]	1.40851E-01	5.2951E-02	1.4311E-03	AU
		178.0000	11.2300	0.0100	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [5.2041E-02 kg]	5.63404E-01	2.1181E-01	5.7245E-03	
												U-nat [1.8775E-01 kg]	1.31199E+01	4.9325E+00	1.3331E-01	
												Subtotal		5.1973E+00	1.4047E-01	
												Total Source [2.3979E-01 kg]		5.1973E+00	1.4047E-01	
4365/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9979.0328	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [1.4052E-07 kg]	2.96525E-01	1.0918E-01	2.9509E-03	AU
		174.0000	11.0000	0.0120	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [1.0731E-01 kg]	1.18610E+00	4.3675E-01	1.1804E-02	
												U-nat [4.1593E-01 kg]	2.96741E+01	1.0926E+01	2.9531E-01	
												Subtotal		1.1472E+01	3.1006E-01	
												Total Source [5.2323E-01 kg]		1.1472E+01	3.1006E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-495

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4376/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10110.5746	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [1.4083E-07 kg]	2.93298E-01	1.0942E-01	2.9574E-03	AU
												Th-232 [1.0754E-01 kg]	1.17319E+00	4.3771E-01	1.1830E-02	
		176.0000	11.1450	0.0100	<2.2000E+02	<2.2000E+03		176.0000				U-nat [1.5272E-01 kg]	1.07535E+01	4.0119E+00	1.0843E-01	
												Subtotal		4.5590E+00	1.2322E-01	
												Total Source [2.6026E-01 kg]		4.5590E+00	1.2322E-01	
4381/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10328.2989	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [1.2176E-07 kg]	2.48227E-01	9.4613E-02	2.5571E-03	AU
												Th-232 [9.2984E-02 kg]	9.92908E-01	3.7844E-01	1.0228E-02	
		180.0000	11.3850	0.0100	<2.2000E+02	<2.2000E+03		180.0000				U-nat [1.8646E-01 kg]	1.28518E+01	4.8984E+00	1.3239E-01	
												Subtotal		5.3715E+00	1.4518E-01	
												Total Source [2.7945E-01 kg]		5.3715E+00	1.4518E-01	
4382/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2386	10591.3825	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2386	100	OXIDES/NONE	0.00	Th-230 [1.3512E-07 kg]	2.68582E-01	1.0499E-01	2.8375E-03	AU
												Th-232 [1.0318E-01 kg]	1.07433E+00	4.1995E-01	1.1350E-02	
		185.0000	11.6750	0.0100	<2.2000E+02	<2.2000E+03		185.0000				U-nat [1.4705E-01 kg]	9.88244E+00	3.8628E+00	1.0440E-01	
												Subtotal		4.3877E+00	1.1859E-01	
												Total Source [2.5023E-01 kg]		4.3877E+00	1.1859E-01	
4383/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2669	10663.9573	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2669	100	OXIDES/NONE	0.00	Th-230 [1.9902E-07 kg]	3.92908E-01	1.5464E-01	4.1795E-03	AU
												Th-232 [1.5198E-01 kg]	1.57163E+00	6.1857E-01	1.6718E-02	
		186.0000	11.7550	0.0100	<2.2000E+02	<2.2000E+03		186.0000				U-nat [2.5153E-01 kg]	1.67885E+01	6.6075E+00	1.7858E-01	
												Subtotal		7.3807E+00	1.9948E-01	
												Total Source [4.0351E-01 kg]		7.3807E+00	1.9948E-01	
4458/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8890.4110	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [2.5530E-08 kg]	6.04965E-02	1.9836E-02	5.3612E-04	AU
												Th-232 [1.9495E-02 kg]	2.41986E-01	7.9347E-02	2.1445E-03	
		155.0000	9.8000	0.0100	<2.2000E+02	<2.2000E+03		155.0000				U-nat [6.1665E-02 kg]	4.94036E+00	1.6199E+00	4.3782E-02	
												Subtotal		1.7191E+00	4.6463E-02	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-495

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [8.1160E-02 kg]		1.7191E+00	4.6463E-02	
4465/GTEOSI	19 Strong Tight Container Loaded In Gondola	3.4830	7057.8977	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.4830	100	OXIDES/NONE	0.00	Th-230 [1.1546E-07 kg]	3.45000E-01	8.9710E-02	2.4246E-03	AU
		123.0000	7.7800	0.0150	<2.2000E+02	<2.2000E+03		123.0000				Th-232 [8.8169E-02 kg]	1.38000E+00	3.5884E-01	9.6985E-03	
												U-nat [1.7716E-01 kg]	1.78972E+01	4.6539E+00	1.2578E-01	
												Subtotal		5.1025E+00	1.3790E-01	
												Total Source [2.6532E-01 kg]		5.1025E+00	1.3790E-01	
Shipment Totals		43.2398	87534.2612									Source [2.6062E+00 kg]		5.1352E+01	1.3879E+00	
		1527.0000	96.4900													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-495
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-495
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	8.2198E-01	2.2216E-02
Th-232	3.2879E+00	8.8863E-02
U-nat	4.7243E+01	1.2768E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-495
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5232

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/02/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/2/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-495

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Broker GTEOSI | DATE: 12/2/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1627E+00	1.6656E-01	NA	21440 LBS; 170 FT3	4294
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1973E+00	1.4047E-01	NA	22460 LBS; 178 FT3	4363
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1472E+01	3.1006E-01	NA	22000 LBS; 174 FT3	4365
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5590E+00	1.2322E-01	NA	22290 LBS; 176 FT3	4376
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3715E+00	1.4518E-01	NA	22770 LBS; 180 FT3	4381
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3877E+00	1.1859E-01	NA	23350 LBS; 185 FT3	4382

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-495	LIRR	MHFX 5232

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/8/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5232
TR:	TL:	

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4465	15560
			0
		Total:	15560
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5232

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4458	19600
		4365	22000
		Total:	41600
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/2/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5232

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4382	23350
		4381	22770
		Total:	46120
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5232

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4376	22290
		4294	21440
		Total:	43730
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5232

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4363	22460
		4383	23510
		Total:	45970
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	195500	15560	19600	22000	23350	22770	22290	21440	22460	23510
	0840-01-495	Bag #	4465	4458	4365	4382	4381	4376	4294	4363	4383
	Storage Loc.										
5232	12/2/2003	195500	179940	160340	138340	114990	92220	69930	48490	26030	2520

Daily Shipping checklist for Trucks and Packages

Date: 12/2/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4465		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4458		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4365		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4382		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4381		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4376		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4294		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4363		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4383		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8948 Date: 11-3-03 Time: 1042

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4344 Storage Bin: 58 Gross Weight: 21730 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	27	<MDA
2	1		38	
3	1		30	
4	0		30	
5	0		20	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] in lieu of R Hoppily
Supervisor Approval

06866-S-11Q204344-12.0
Date: 11/03/03 Time:1052

11-03-03 10:42 Bag# 4344
21730 lb GR
110303 1042 4344 0021730

Shipment Survey

Survey Number: GTEOSI 8949 Date: 11-3-03 Time: 1051

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4345 Storage Bin: 58 Gross Weight: 22270 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	19	LMDA
2	3		16	
3	~~0~~		31	
4	~~0~~		18	
5	~~0~~		19	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06867-S-11G204345-12.0
Date: 11/03/03 Time:1113

11-03-03 10:51 Bag# 4345
22270 lb GR
110303 1051 4345 0022270

Shipment Survey

Survey Number: GTEOSI 8955 Date: 11-3-03 Time: 1134

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4351 Storage Bin: 53 Gross Weight: 22310 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	22	<MDA
2	~~0~~		26	
3	2		30	
4	~~0~~		32	
5	~~0~~		24	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

[illegible] in lieu of R Hupping
Supervisor Approval

06873-S-110204351-12.0
Date: 11/03/03 Time: 1140

11-03-03 11:34 Bag# 4351
22310 lb GR
110303 1134 4351 0022310

Shipment Survey

Survey Number: GTEOSI 8956 Date: 11-03-03 Time: 1140

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4353 Storage Bin: 53 Gross Weight: 19440 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	30	<MDA
2	~~0~~		29	
3	2		29	
4	~~0~~		33	
5	~~0~~		20	
6	~~0~~		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06874-S-110204353-12.0
Date: 11/03/03 Time:1143

11-03-03 11:40 Bag# 4353
19440 lb GR
110303 1140 4353 0019440

Shipment Survey

Survey Number: GTEOSI 8957 Date: 11-03-03 Time: 1244

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4355 Storage Bin: 54 Gross Weight: 20770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Θ	LMDA	33	LMDA
2	Θ		20	
3	Θ		25	
4	2		34	
5	Θ		18	
6	Θ		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible]
Supervisor Approval

06876-S-11P214355-15.0
Date: 11/03/03 Time:1202

11-03-03 12:44 Bag# 4355
20770 lb GR
110303 1244 4355 0020770

Shipment Survey

Survey Number: GTEOSI 8967 Date: 11-4-03 Time: 0829

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4364 Storage Bin: 100 AISLE Gross Weight: 21410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .011 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	0		18	
3	1		25	
4	0		24	
5	1		31	
6	1		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06885-S-11P204364-06.0
Date: 11/04/03 Time:0942

11-04-03 8:29 Bag# 4364
21410 lb GR
110403 0829 4364 0021410

Shipment Survey

Survey Number: GTEOSI 8970 Date: 11-4-03 Time: 0928

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4367 Storage Bin: 100 AISLE Gross Weight: 21420 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	19	<MDA
2	~~0~~		39	
3	~~0~~		33	
4	2		24	
5	~~0~~		20	
6	~~0~~		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R. Hopping
Supervisor Approval

06888-S-11P204367-06.0
Date: 11/04/03 Time: 1016

11-04-03 9:28 Bag# 4367
21420 lb GR
110403 0928 4367 0021420

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 8996 Date: 11-04-03 Time: 1253

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4377 Storage Bin: 100 AISLE Gross Weight: 18830 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	29	<MDA
2	0		24	
3	0		24	
4	0		22	
5	0		23	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage / DQ
Surveyor Name — Surveyor Signature

Supervisor Approval — in lieu of R Hepping

06912-S-12P164377-04.0
Date: 11/04/03 Time:1324

11-04-03 12:53 Bag# 4377
18830 lb GR
110403 1253 4377 0018830

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI -9028 Date: 11-05-03 Time: 1535

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4426 Storage Bin: 59 Gross Weight: 21900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	38	LMDA
2	0		21	
3	0		25	
4	1		23	
5	0		31	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage / DQ — Surveyor Signature

Supervisor Approval — on behalf of R. Hoppping

06954-S-11N224426-10.0

Date: 11/05/03 Time:1556

11-05-03 15:35 Bag# 4426

21900 lb GR

110503 1535 4426 0021900

Shipment Survey

Survey Number: GTEOSI 9062 Date: 11-11-03 Time: 1447

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4460 Storage Bin: 34 Gross Weight: 18350 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	19	<MDA
2	0		21	
3	0		37	
4	1		17	
5	0		28	
6	4		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

07005-S-04U164460-24.0
Date: 11/11/03 Time:1501

11-11-03 14:47 Bag# 4460
18350 lb GR
111103 1447 4460 0018350

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====> EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-496
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100057
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/02/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 12/2/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-496

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOST DATE: 12/2/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1457E+00	1.9313E-01	NA	21730 LBS; 172 FT3	4344
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.7095E+00	1.5431E-01	NA	22270 LBS; 176 FT3	4345
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.9369E+00	2.6856E-01	NA	22310 LBS; 176 FT3	4351
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1482E+00	8.5088E-02	NA	19440 LBS; 154 FT3	4353
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3944E+01	3.7688E-01	NA	20770 LBS; 164 FT3	4355
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0639E+01	2.8754E-01	NA	21410 LBS; 169 FT3	4364

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-496

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2932E+00	1.7009E-01	NA	21420 LBS; 169 FT3	4367
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4986E+01	4.0501E-01	NA	18830 LBS; 149 FT3	4377
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5724E+01	4.2497E-01	NA	21900 LBS; 173 FT3	4426
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7126E+00	7.3313E-02	NA	18350 LBS; 145 FT3	4460

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3	46.6378	kg	94179.3902	NP	NP	NP	NP
	ft3	1647.0000	ton	103.8150				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	9.0239E+01	NP	NP	NP	NP	(kg)	4.0550E+00
mCi	2.4389E+00	NP	NP	NP	NP	(tons)	4.4698E-03

2. MANIFEST NUMBER **0840-01-496**

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME **GTEOSI**

SHIPMENT ID NUMBER **0840-01-496**

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4344/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.8705	9856.5629	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [5.5502E-08 kg]	1.18582E-01	4.3127E-02	1.1656E-03	AU
		172.0000	10.8650	0.0100	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [4.2384E-02 kg]	4.74326E-01	1.7250E-01	4.6622E-03	
												U-nat [2.6381E-01 kg]	1.90560E+01	6.9301E+00	1.8730E-01	
												Subtotal		7.1457E+00	1.9313E-01	
												Total Source [3.0619E-01 kg]		7.1457E+00	1.9313E-01	
4345/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.9838	10101.5027	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [4.2019E-08 kg]	8.75887E-02	3.2648E-02	8.8239E-04	AU
		176.0000	11.1350	0.0100	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [3.2087E-02 kg]	3.50355E-01	1.3060E-01	3.5296E-03	
												U-nat [2.1113E-01 kg]	1.48797E+01	5.5463E+00	1.4990E-01	
												Subtotal		5.7095E+00	1.5431E-01	
												Total Source [2.4322E-01 kg]		5.7095E+00	1.5431E-01	
4351/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.9838	10119.6464	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [8.4990E-08 kg]	1.76844E-01	6.6038E-02	1.7848E-03	AU
		176.0000	11.1550	0.0100	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [6.4901E-02 kg]	7.07376E-01	2.6415E-01	7.1391E-03	
												U-nat [3.6569E-01 kg]	2.57262E+01	9.6067E+00	2.5964E-01	
												Subtotal		9.9369E+00	2.6856E-01	
												Total Source [4.3059E-01 kg]		9.9369E+00	2.6856E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-496

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4353/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8817.8363	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [5.2749E-08 kg]	1.26028E-01	4.0985E-02	1.1077E-03	AU
		154.0000	9.7200	0.0100	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [4.0281E-02 kg]	5.04113E-01	1.6394E-01	4.4309E-03	
												U-nat [1.1204E-01 kg]	9.05056E+00	2.9433E+00	7.9549E-02	
												Subtotal		3.1482E+00	8.5088E-02	
												Total Source [1.5232E-01 kg]		3.1482E+00	8.5088E-02	
4355/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9421.1141	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [6.2082E-08 kg]	1.38794E-01	4.8237E-02	1.3037E-03	AU
		164.0000	10.3850	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [4.7408E-02 kg]	5.55177E-01	1.9295E-01	5.2149E-03	
												U-nat [5.2163E-01 kg]	3.94281E+01	1.3703E+01	3.7036E-01	
												Subtotal		1.3944E+01	3.7688E-01	
												Total Source [5.6904E-01 kg]		1.3944E+01	3.7688E-01	
4364/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9711.4133	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.5803E-07 kg]	3.42695E-01	1.2279E-01	3.3186E-03	AU
		169.0000	10.7050	0.0110	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.2068E-01 kg]	1.37078E+00	4.9114E-01	1.3274E-02	
												U-nat [3.8162E-01 kg]	2.79795E+01	1.0025E+01	2.7095E-01	
												Subtotal		1.0639E+01	2.8754E-01	
												Total Source [5.0229E-01 kg]		1.0639E+01	2.8754E-01	
4367/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9715.9492	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.5025E-07 kg]	3.25674E-01	1.1674E-01	3.1552E-03	AU
		169.0000	10.7100	0.0100	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.1474E-01 kg]	1.30270E+00	4.6698E-01	1.2621E-02	
												U-nat [2.1734E-01 kg]	1.59273E+01	5.7095E+00	1.5431E-01	
												Subtotal		6.2932E+00	1.7009E-01	
												Total Source [3.3207E-01 kg]		6.2932E+00	1.7009E-01	
4377/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8541.1449	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [1.0212E-07 kg]	2.51915E-01	7.9343E-02	2.1444E-03	AU
		149.0000	9.4150	0.0100	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [7.7979E-02 kg]	1.00766E+00	3.1737E-01	8.5777E-03	
												U-nat [5.5534E-01 kg]	4.63188E+01	1.4589E+01	3.9429E-01	
												Subtotal		1.4986E+01	4.0501E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-496

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [6.3332E-01 kg]		1.4986E+01	4.0501E-01	
4426/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9933.6736	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [2.5510E-07 kg]	5.40780E-01	1.9821E-01	5.3571E-03	AU
		173.0000	10.9500	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [1.9480E-01 kg]	2.16312E+00	7.9287E-01	2.1429E-02	
												U-nat [5.6082E-01 kg]	4.01948E+01	1.4733E+01	3.9818E-01	
												Subtotal		1.5724E+01	4.2497E-01	
												Total Source [7.5562E-01 kg]		1.5724E+01	4.2497E-01	
4460/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1059	8323.4205	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1059	100	OXIDES/NONE	0.00	Th-230 [4.3938E-08 kg]	1.11241E-01	3.4140E-02	9.2270E-04	AU
		145.0000	9.1750	0.0100	<2.2000E+02	<2.2000E+03		145.0000				Th-232 [3.3553E-02 kg]	4.44965E-01	1.3656E-01	3.6908E-03	
												U-nat [9.6759E-02 kg]	8.28237E+00	2.5419E+00	6.8699E-02	
												Subtotal		2.7126E+00	7.3313E-02	
												Total Source [1.3031E-01 kg]		2.7126E+00	7.3313E-02	
Shipment Totals		46.6378	94542.2639									Source [4.0550E+00 kg]		9.0239E+01	2.4389E+00	
		1647.0000	104.2150													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-496
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-496
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.8226E-01	2.1142E-02
Th-232	3.1291E+00	8.4569E-02
U-nat	8.6328E+01	2.3332E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/8/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-496
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100057

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/02/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/2/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-496

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66054

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Broker GTEOSI | DATE: 12/2/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.1457E+00	1.9313E-01	NA	21730 LBS; 172 FT3	4344
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.7095E+00	1.5431E-01	NA	22270 LBS; 176 FT3	4345
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.9369E+00	2.6856E-01	NA	22310 LBS; 176 FT3	4351
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.1482E+00	8.5088E-02	NA	19440 LBS; 154 FT3	4353
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3944E+01	3.7688E-01	NA	20770 LBS; 164 FT3	4355
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0639E+01	2.8754E-01	NA	21410 LBS; 169 FT3	4364

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;URS27010-039: 011404 • 0710

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-496	LIRR	MWCX 100057

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/2/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/2/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100057

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4351	22310
		4355	20770
		Total:	43080
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100057

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4353	19440
		4426	21900
		Total:	41340
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100057

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4344	21730
		4345	22270
		Total:	44000
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/2/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100057

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4367	21420
		4364	21410
		Total:	42830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/2/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100057

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4460	18350
		4377	18830
		Total:	37180
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/2/2003
Transporter	Signature		Date
Priority Transport			12/2/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209500	22310	20770	19440	21900	21730	22270	21420	21410	18350	18830
	0840-01-496	Bag #	4351	4355	4353	4426	4344	4345	4367	4364	4460	4377
	Storage Loc.											
100057	12/2/2003	209500	187190	166420	146980	125080	103350	81080	59660	38250	19900	1070

Daily Shipping checklist for Trucks and Packages

Date: 12/2/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4351		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4355		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4353		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4426		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4344		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4345		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4367		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4364		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4460		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4377		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9073 Date: 11-17-03 Time: 1503

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4470 Storage Bin: 33 Gross Weight: 14510 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	26	<MDA
2	1		25	
3	~~0~~		18	
4	~~0~~		29	
5	~~0~~		22	
6	~~0~~		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoge — Debra LeRoge

Surveyor Name — Surveyor Signature

Supervisor Approval

07018-S-14X244470-02.0
Date: 11/17/03 Time:1512

11-17-03 15:03 Bag# 4470
14510 lb GR
111703 1503 4470 0014510

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9085 Date: 11-18-03 Time: 1529

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4482 Storage Bin: 38 Gross Weight: 20010 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	41	<MDA
2	~~0~~		23	
3	~~0~~		27	
4	~~0~~		29	
5	~~0~~		22	
6	~~0~~		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE Page — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07038-S-14X2044B2-04.0

Date: 11/18/03 Time:1524

11-18-03 15:29 Bag# 4482

20010 lb GR

111803 1529 4482 0020010

Shipment Survey

Survey Number: GTEOSI 9086 Date: 11-18-03 Time: 1535

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4483 Storage Bin: 39 Gross Weight: 21490 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	0		26	
3	0		17	
4	0		26	
5	0		24	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Robert A. [illegible]
Supervisor Approval

07039-S-14X204483-04.0
Date: 11/18/03 Time:1548

11-18-03 15:35 Bag# 4483
21490 lb GR
111803 1535 4483 0021490

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9093 Date: 11-21-03 Time: 1015

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4489 Storage Bin: 40 Gross Weight: 19190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	LMDA	32	LMDA
2	0		21	
3	3		24	
4	2		22	
5	0		24	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage
Surveyor Name

Debra LeFage
Surveyor Signature

Supervisor Approval

07052-S-14X214489-02.0
Date: 11/21/03 Time:1022

11-21-03 10:15 Bag# 4489
19190 lb GR
112103 1015 4489 0019190

Shipment Survey

Survey Number: GTEOSI 9092 Date: 11-21-03 Time: 1001

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4490 Storage Bin: 46 Gross Weight: 20550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	31	<MDA
2	1		29	
3	0		21	
4	0		27	
5	0		17	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07053-S-14X214490-02.0
Date: 11/21/03 Time:1028

11-21-03 10:01 Bag# 4490
20550 lb GR
112103 1001 4490 0020550

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9098 Date: 11-21-03 Time: 1315

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4495 Storage Bin: 42 Gross Weight: 19720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	33	<MDA
2	~~0~~		24	
3	~~0~~		32	
4	~~0~~		30	
5	~~0~~		24	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07061-S-14X214495-04.0
Date: 11/21/03 Time:1337

11-21-03 13:04 Bag# 4495
19720 lb GR
112103 1304 4495 0019720

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9104 Date: 11-21-03 Time: 1452

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4500 Storage Bin: 43 Gross Weight: 20650 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	27	<MDA
2	1		24	
3	1		39	
4	1		32	
5	1		25	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePAGE
Surveyor Name

Debra LePage
Surveyor Signature

S. N. [illegible]
Supervisor Approval

07067-S-14Y214500-02.0
Date: 11/21/03 Time:1416

11-21-03 14:52 Bag# 4500
20650 lb GR
112103 1452 4500 0020650

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9105 Date: 11-21-03 Time: 1456

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4502 Storage Bin: 43 Gross Weight: 19320 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	37	<MDA
2	2		33	
3	1		27	
4	2		25	
5	1		35	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LPage
Surveyor Signature

G. N.
Supervisor Approval

07070-S-14X224502-04.0
Date: 11/21/03 Time:1459

11-21-03 14:56 Bag# 4502
19320 lb GR
112103 1456 4502 0019320

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9107 Date: 11-21-03 Time: 1525

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4504 Storage Bin: 44 Gross Weight: 19050 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	23	<MDA
2	1		33	
3	1		30	
4	4		38	
5	1		34	
6	0		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

87073-S-14X214504-04.0
Date: 11/21/03 Time:1528

11-21-03 15:25 Bag# 4504
19050 lb GR
112103 1525 4504 0019050

Shipment Survey

Survey Number: GTEOSI 9108 Date: 11-21-03 Time: 1538

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4505 Storage Bin: 44 Gross Weight: 18870 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	29	<MDA
2	2		17	
3	0		35	
4	0		28	
5	0		25	
6	1		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L. Page
Surveyor Signature

Supervisor Approval

07074-S-14Y234505-02.0
Date: 11/21/03 Time:1536

11-21-03 15:38 Bag# 4505
18870 lb GR
112103 1538 4505 0018870

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9109 Date: 11-21-03 Time: 1541

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4506 Storage Bin: 44 Gross Weight: 16,380 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	34	<MDA
2	2		31	
3	0		31	
4	0		31	
5	3		30	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07075-S-14X234506-04.0
Date: 11/21/03 Time:1557

11-21-03 15:41 Bag# 4506
16380 lb GR
112103 1541 4506 0016380

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 11

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-497
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MWCX-100056

☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/03/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt

DATE: 12/3/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-497

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/3/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9154E+00	1.8690E-01	NA	14510 LBS; 115 FT3	4470
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.4102E+00	2.5433E-01	NA	20010 LBS; 158 FT3	4482
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3374E+00	1.9831E-01	NA	21490 LBS; 170 FT3	4483
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3209E+00	1.1678E-01	NA	19190 LBS; 152 FT3	4489
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7915E+00	1.0247E-01	NA	20550 LBS; 162 FT3	4490
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.9052E+00	2.4068E-01	NA	19720 LBS; 156 FT3	4495

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-497

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3497E+00	1.4458E-01	NA	20650 LBS; 163 FT3	4500
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.5281E+00	2.5751E-01	NA	19320 LBS; 153 FT3	4502
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4812E+00	9.4087E-02	NA	19050 LBS; 151 FT3	4504
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.8159E+00	1.3016E-01	NA	18870 LBS; 149 FT3	4505
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4868E+00	1.2127E-01	NA	16380 LBS; 129 FT3	4506

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
11	m3 46.9493	kg 94737.3086	NP	NP	NP	NP
	ft3 1658.0000	ton 104.4300				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.8342E+01	NP	NP	NP	NP	(kg)	3.2235E+00
mCi	1.8471E+00	NP	NP	NP	NP	(tons)	3.5533E-03

2. MANIFEST NUMBER 0840-01-497

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-497

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4470/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.2564	6581.6257	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.2564	100	OXIDES/NONE	0.00	Th-230 [9.2118E-08 kg]	2.95284E-01	7.1577E-02	1.9345E-03	AU
		115.0000	7.2550	0.0150	<2.2000E+02	<2.2000E+03		115.0000				Th-232 [7.0344E-02 kg]	1.18113E+00	2.8630E-01	7.7379E-03	
												U-nat [2.4961E-01 kg]	2.70522E+01	6.5575E+00	1.7723E-01	
												Subtotal		6.9154E+00	1.8690E-01	
												Total Source [3.1996E-01 kg]		6.9154E+00	1.8690E-01	
4482/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4741	9076.3839	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741	100	OXIDES/NONE	0.00	Th-230 [1.1809E-07 kg]	2.74078E-01	9.1756E-02	2.4799E-03	AU
		158.0000	10.0050	0.0150	<2.2000E+02	<2.2000E+03		158.0000				Th-232 [9.0179E-02 kg]	1.09631E+00	3.6703E-01	9.9197E-03	
												U-nat [3.4074E-01 kg]	2.67374E+01	8.9514E+00	2.4193E-01	
												Subtotal		9.4102E+00	2.5433E-01	
												Total Source [4.3092E-01 kg]		9.4102E+00	2.5433E-01	
4483/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9747.7007	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.1380E-07 kg]	2.45851E-01	8.8419E-02	2.3897E-03	AU
		170.0000	10.7450	0.0100	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [8.6898E-02 kg]	9.83404E-01	3.5368E-01	9.5588E-03	
												U-nat [2.6248E-01 kg]	1.91728E+01	6.8953E+00	1.8636E-01	
												Subtotal		7.3374E+00	1.9831E-01	
												Total Source [3.4938E-01 kg]		7.3374E+00	1.9831E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-497

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4489/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8704.4382	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [8.6496E-08 kg]	2.09362E-01	6.7207E-02	1.8164E-03	AU
		152.0000	9.5950	0.0100	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [6.6051E-02 kg]	8.37447E-01	2.6883E-01	7.2656E-03	
												U-nat [1.5169E-01 kg]	1.24135E+01	3.9849E+00	1.0770E-01	
												Subtotal		4.3209E+00	1.1678E-01	
												Total Source [2.1774E-01 kg]		4.3209E+00	1.1678E-01	
4490/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9321.3238	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [6.6538E-08 kg]	1.50355E-01	5.1700E-02	1.3973E-03	AU
		162.0000	10.2750	0.0100	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [5.0811E-02 kg]	6.01418E-01	2.0680E-01	5.5892E-03	
												U-nat [1.3449E-01 kg]	1.02748E+01	3.5330E+00	9.5487E-02	
												Subtotal		3.7915E+00	1.0247E-01	
												Total Source [1.8530E-01 kg]		3.7915E+00	1.0247E-01	
4495/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8944.8421	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [9.4496E-08 kg]	2.22553E-01	7.3423E-02	1.9844E-03	AU
		156.0000	9.8600	0.0200	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [7.2160E-02 kg]	8.90213E-01	2.9369E-01	7.9376E-03	
												U-nat [3.2501E-01 kg]	2.58799E+01	8.5381E+00	2.3076E-01	
												Subtotal		8.9052E+00	2.4068E-01	
												Total Source [3.9717E-01 kg]		8.9052E+00	2.4068E-01	
4500/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9366.6831	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [9.2142E-08 kg]	2.07199E-01	7.1595E-02	1.9350E-03	AU
		163.0000	10.3250	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [7.0363E-02 kg]	8.28794E-01	2.8638E-01	7.7399E-03	
												U-nat [1.9002E-01 kg]	1.44463E+01	4.9917E+00	1.3491E-01	
												Subtotal		5.3497E+00	1.4458E-01	
												Total Source [2.6038E-01 kg]		5.3497E+00	1.4458E-01	
4502/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8763.4052	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [1.1871E-07 kg]	2.85390E-01	9.2237E-02	2.4929E-03	AU
		153.0000	9.6600	0.0200	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [9.0650E-02 kg]	1.14156E+00	3.6895E-01	9.9715E-03	
												U-nat [3.4514E-01 kg]	2.80540E+01	9.0669E+00	2.4505E-01	
												Subtotal		9.5281E+00	2.5751E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-497

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [4.3579E-01 kg]		9.5281E+00	2.5751E-01	
4504/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2758	8640.9352	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2758	100	OXIDES/NONE	0.00	Th-230 [7.6584E-08 kg]	1.86738E-01	5.9507E-02	1.6083E-03	AU
												Th-232 [5.8482E-02 kg]	7.46950E-01	2.3802E-01	6.4330E-03	
		151.0000	9.5250	0.0200	<2.2000E+02	<2.2000E+03		151.0000				U-nat [1.2119E-01 kg]	9.99101E+00	3.1837E+00	8.6046E-02	
												Subtotal		3.4812E+00	9.4087E-02	
												Total Source [1.7967E-01 kg]		3.4812E+00	9.4087E-02	
4505/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8559.2886	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [1.0112E-07 kg]	2.48936E-01	7.8573E-02	2.1236E-03	AU
												Th-232 [7.7221E-02 kg]	9.95745E-01	3.1429E-01	8.4944E-03	
		149.0000	9.4350	0.0150	<2.2000E+02	<2.2000E+03		149.0000				U-nat [1.6836E-01 kg]	1.40124E+01	4.4230E+00	1.1954E-01	
												Subtotal		4.8159E+00	1.3016E-01	
												Total Source [2.4558E-01 kg]		4.8159E+00	1.3016E-01	
4506/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.6529	7429.8435	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.6529	100	OXIDES/NONE	0.00	Th-230 [4.9960E-08 kg]	1.41773E-01	3.8820E-02	1.0492E-03	AU
												Th-232 [3.8151E-02 kg]	5.67092E-01	1.5527E-01	4.1966E-03	
		129.0000	8.1900	0.0200	<2.2000E+02	<2.2000E+03		129.0000				U-nat [1.6341E-01 kg]	1.56777E+01	4.2927E+00	1.1602E-01	
												Subtotal		4.4868E+00	1.2127E-01	
												Total Source [2.0156E-01 kg]		4.4868E+00	1.2127E-01	
Shipment Totals		46.9493	95136.4700									Source [3.2235E+00 kg]		6.8342E+01	1.8471E+00	
		1658.0000	104.8700													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-497
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-497
Envirocare of Utah, Inc.

	Total Activity	
Isotope	**(MBq)**	**(mCi)**
Th-230	7.8481E-01	2.1211E-02
Th-232	3.1392E+00	8.4844E-02
U-nat	6.4418E+01	1.7410E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 11

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-497
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100056

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/03/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/3/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-497

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: 66055
DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9154E+00	1.8690E-01	NA	14510 LBS; 115 FT3	4470
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.4102E+00	2.5433E-01	NA	20010 LBS; 158 FT3	4482
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3374E+00	1.9831E-01	NA	21490 LBS; 170 FT3	4483
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3209E+00	1.1678E-01	NA	19190 LBS; 152 FT3	4489
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7915E+00	1.0247E-01	NA	20550 LBS; 162 FT3	4490
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.9052E+00	2.4068E-01	NA	19720 LBS; 156 FT3	4495

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0340-01-447	LTRR	NWX 100056

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/3/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100056

TR: TL:

Quantity	Description		Net Wgt. Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4490	20550
		4482	20010
		Total:	40560
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100056

TR: TL:

Quantity	Description		Net Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4500	20650
		4502	19320
		Total:	39970
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100056

TR: TL:

Quantity	Description		Net Wgt/Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4489	19190
		4495	19720
		Total:	38910
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100056
TR:	TL:	

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4505	18870
		4504	19050
		Total:	37920
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100056

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4506	16380
		4483	21490
		Total:	37870
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100056

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4470	14510
			0
		Total:	14510
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/3/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4470		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4482		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4483		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4489		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4490		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4495		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4500		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4502		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4504		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4505		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
11	4506		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	211700	20550	20010	20650	19320	19190	19720	18870	19050	16380	21490	14510
	0840-01-497	Bag #	4490	4482	4500	4502	4489	4495	4505	4504	4506	4483	4470
	Storage Loc.												
100056	12/3/2003	211700	191150	171140	150490	131170	111980	92260	73390	54340	37960	16470	1960

Shipment Survey

Survey Number: GTEOSI 8916 Date: 10-31-03 Time: 1442

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4312 Storage Bin: 47 Gross Weight: 21630 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	27	<MDA
2	1		27	
3	~~0~~		21	
4	2		28	
5	~~0~~		22	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page
Surveyor Name — Surveyor Signature

Wyatt E [illegible] on behalf of R Hopping
Supervisor Approval

06832-S-11P214312-16.0
Date: 10/31/03 Time:1535

10-31-03 14:42 Bag# 4312
21630 lb GR
103103 1442 4312 0021630

Shipment Survey

Survey Number: GTEOSI 9052 Date: 11-7-03 Time: 1429

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4449 Storage Bin: 51 Gross Weight: 21120 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	33	<MDA
2	~~0~~		34	
3	~~0~~		33	
4	~~0~~		26	
5	1		27	
6	~~0~~		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

06992-S-11Q214449-18.0
Date: 11/07/03 Time:1506

11-07-03 14:29 Bag# 4449
21120 lb GR
110703 1429 4449 0021120

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9074 Date: 11-17-03 Time: 1518

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4471 Storage Bin: 34 Gross Weight: 15110 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	27	<MDA
2	0		24	
3	0		27	
4	0		25	
5	0		24	
6			26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07019-S-14X244471-02.0
Date: 11/17/03 Time:1535

11-17-03 15:18 Bag# 4471
15110 lb GR
111703 1518 4471 0015110

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9076 Date: 11-18-03 Time: 0757

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4473 Storage Bin: 34 Gross Weight: 13630 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	0		20	
3	0		47	
4	1		22	
5	0		30	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L. Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07023-S-14Y244473-02.0

Date: 11/18/03 Time:0806

11-18-03 7:57 Bag# 4473

13630 lb GR

111803 0757 4473 0013630

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9077 Date: 11-18-03 Time: 0816

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4474 Storage Bin: 34 Gross Weight: 15360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	1		25	
3	0		30	
4	1		35	
5	2		23	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07824-S-14Y244474-02.0

Date: 11/18/03 Time:0821

11-18-03 8:16 Bag# 4474

15360 lb GR

111803 0816 4474 0015360

Shipment Survey

Survey Number: GTEOSI 9078 Date: 11-18-03 Time: 1237

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4475 Storage Bin: 37 Gross Weight: 19670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	35	<MDA
2	~~0~~		32	
3	1		27	
4	3		31	
5	~~0~~		19	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeBlanc
Surveyor Name

Surveyor Signature

Supervisor Approval

07028-S-14X194475-02.0
Date: 11/18/03 Time:1201

11-18-03 12:37 Bag# 4475
19670 lb GR
111803 1237 4475 0019670

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9079 Date: 11-18-03 Time: 1303

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4476 Storage Bin: 37 Gross Weight: 18980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	29	<MDA
2	0		16	
3	0		19	
4	2		27	
5	0		24	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07029-S-14X194476-02.0
Date: 11/18/03 Time:1327

11-18-03 13:03 Bag# 4476
18980 lb GR
111803 1303 4476 0018980

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9080 Date: 11-18-03 Time: 1419

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4477 Storage Bin: 37 Gross Weight: 19950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		24	
3	0		24	
4	0		30	
5	0		20	
6	1		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07030-S-14X194477-02.0
Date: 11/18/03 Time:1331

11-18-03 14:19 Bag# 4477
19950 lb GR
111803 1419 4477 0019950

Shipment Survey

Survey Number: GTEOSI 9084 Date: 11-18-03 Time: 1449

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4481 Storage Bin: 38 Gross Weight: 18900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	0		27	
3	0		25	
4	0		31	
5	0		21	
6	0		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeTage — Debra LeTage
Surveyor Name — Surveyor Signature

Supervisor Approval

07035-S-14X204481-02.0
Date: 11/18/03 Time:1500

11-18-03 14:49 Bag# 4481
18900 lb GR
111803 1449 4481 0018900

Shipment Survey

Survey Number: GTEOSI 9087 Date: 11-18-03 Time: 1544

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4484 Storage Bin: 39 Gross Weight: 18200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	21	<MDA
2	~~0~~		23	
3	~~0~~		26	
4	~~0~~		31	
5	1		20	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage
Surveyor Name

Surveyor Signature

Supervisor Approval

07040-S-14X204484-04.0
Date: 11/18/03 Time:1552

11-18-03 15:44 Bag# 4484
18200 lb GR
111803 1544 4484 0018200

Shipment Survey

Survey Number: GTEOSI 9097 Date: 11-21-03 Time: 1239

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4494 Storage Bin: 41 Gross Weight: 21680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	36	<MDA
2	3		40	
3	1		30	
4	~~0~~		39	
5	~~0~~		28	
6	1		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Le Page
Surveyor Name

Debra Le Page
Surveyor Signature

Supervisor Approval

07060-S-14X214494-04.0
Date: 11/21/03 Time:1156

11-21-03 12:39 Bag# 4494
21680 lb GR
112103 1239 4494 0021680

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 11

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-498
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100025

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/03/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/3/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-498

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/3/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6055E+02	7.0418E+00	NA	21630 LBS; 171 FT3	4312
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.7826E+01	4.8176E-01	NA	21120 LBS; 167 FT3	4449
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2001E+00	1.6757E-01	NA	15110 LBS; 119 FT3	4471
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9959E+00	5.3944E-02	NA	13630 LBS; 108 FT3	4473
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3138E+00	1.1659E-01	NA	15360 LBS; 121 FT3	4474
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7690E+00	1.2889E-01	NA	19670 LBS; 155 FT3	4475

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-498

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2632E+00	8.8196E-02	NA	18980 LBS; 150 FT3	4476
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9979E+00	1.6211E-01	NA	19950 LBS; 158 FT3	4477
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4916E+00	9.4370E-02	NA	18900 LBS; 149 FT3	4481
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.1323E+00	2.1979E-01	NA	18200 LBS; 144 FT3	4484
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4877E+00	1.7534E-01	NA	21680 LBS; 171 FT3	4494

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
11	m3 45.6750 ft3 1613.0000	kg 92238.0146 ton 101.6750	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	3.2303E+02	NP	NP	NP	NP	(kg)	1.3468E+01
mCi	8.7304E+00	NP	NP	NP	NP	(tons)	1.4846E-02

2. MANIFEST NUMBER 0840-01-498

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-498

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4312/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9811.2036	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.1059E-07 kg]	2.37376E-01	8.5929E-02	2.3224E-03	AU
		171.0000	10.8150	0.0150	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [8.4451E-02 kg]	9.49504E-01	3.4372E-01	9.2897E-03	
												U-nat [9.9017E+00 kg]	7.18565E+02	2.6012E+02	7.0302E+00	
												Subtotal		2.6055E+02	7.0418E+00	
												Total Source [9.9862E+00 kg]		2.6055E+02	7.0418E+00	
4449/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9579.8715	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [9.7393E-07 kg]	2.14113E+00	7.5676E-01	2.0453E-02	AU
		167.0000	10.5600	0.0150	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [7.4373E-01 kg]	8.56454E+00	3.0270E+00	8.1810E-02	
												U-nat [5.3451E-01 kg]	3.97293E+01	1.4042E+01	3.7950E-01	
												Subtotal		1.7826E+01	4.8176E-01	
												Total Source [1.2782E+00 kg]		1.7826E+01	4.8176E-01	
4471/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.3697	6853.7812	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.3697	100	OXIDES/NONE	0.00	Th-230 [9.6950E-08 kg]	2.98369E-01	7.5332E-02	2.0360E-03	AU
		119.0000	7.5550	0.0150	<2.2000E+02	<2.2000E+03		119.0000				Th-232 [7.4035E-02 kg]	1.19348E+00	3.0132E-01	8.1438E-03	
												U-nat [2.2167E-01 kg]	2.30648E+01	5.8234E+00	1.5739E-01	
												Subtotal		6.2001E+00	1.6757E-01	
												Total Source [2.9570E-01 kg]		6.2001E+00	1.6757E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-498

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4473/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.0582	6182.4644	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.0582	100	OXIDES/NONE	0.00	Th-230 [8.6313E-08 kg]	2.94645E-01	6.7066E-02	1.8126E-03	AU
												Th-232 [6.5912E-02 kg]	1.17858E+00	2.6826E-01	7.2503E-03	
		108.0000	6.8150	0.0100	<2.2000E+02	<2.2000E+03		108.0000				U-nat [6.3213E-02 kg]	7.29574E+00	1.6606E+00	4.4881E-02	
												Subtotal		1.9959E+00	5.3944E-02	
												Total Source [1.2912E-01 kg]		1.9959E+00	5.3944E-02	
4474/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.4263	6967.1793	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.4263	100	OXIDES/NONE	0.00	Th-230 [8.3229E-08 kg]	2.51950E-01	6.4669E-02	1.7478E-03	AU
												Th-232 [6.3557E-02 kg]	1.00780E+00	2.5867E-01	6.9912E-03	
		121.0000	7.6800	0.0100	<2.2000E+02	<2.2000E+03		121.0000				U-nat [1.5190E-01 kg]	1.55468E+01	3.9905E+00	1.0785E-01	
												Subtotal		4.3138E+00	1.1659E-01	
												Total Source [2.1546E-01 kg]		4.3138E+00	1.1659E-01	
4475/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8922.1625	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [7.0511E-08 kg]	1.66489E-01	5.4786E-02	1.4807E-03	AU
												Th-232 [5.3845E-02 kg]	6.65957E-01	2.1915E-01	5.9229E-03	
		155.0000	9.8350	0.0100	<2.2000E+02	<2.2000E+03		155.0000				U-nat [1.7111E-01 kg]	1.36596E+01	4.4951E+00	1.2149E-01	
												Subtotal		4.7690E+00	1.2889E-01	
												Total Source [2.2495E-01 kg]		4.7690E+00	1.2889E-01	
4476/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8609.1838	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [8.5386E-08 kg]	2.08972E-01	6.6345E-02	1.7931E-03	AU
												Th-232 [6.5204E-02 kg]	8.35887E-01	2.6538E-01	7.1724E-03	
		150.0000	9.4900	0.0100	<2.2000E+02	<2.2000E+03		150.0000				U-nat [1.1159E-01 kg]	9.23357E+00	2.9315E+00	7.9230E-02	
												Subtotal		3.2632E+00	8.8196E-02	
												Total Source [1.7679E-01 kg]		3.2632E+00	8.8196E-02	
4477/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4741	9049.1684	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741	100	OXIDES/NONE	0.00	Th-230 [7.8541E-08 kg]	1.82837E-01	6.1028E-02	1.6494E-03	AU
												Th-232 [5.9977E-02 kg]	7.31348E-01	2.4411E-01	6.5975E-03	
		158.0000	9.9750	0.0100	<2.2000E+02	<2.2000E+03		158.0000				U-nat [2.1670E-01 kg]	1.70553E+01	5.6928E+00	1.5386E-01	
												Subtotal		5.9979E+00	1.6211E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-498

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total		5.9979E+00	1.6211E-01	
												Source [2.7668E-01 kg]				
4481/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8572.8964	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [1.0341E-07 kg]	2.54149E-01	8.0346E-02	2.1715E-03	AU
		149.0000	9.4500	0.0150	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [7.8964E-02 kg]	1.01660E+00	3.2139E-01	8.6861E-03	
												U-nat [1.1762E-01 kg]	9.77401E+00	3.0899E+00	8.3512E-02	
												Subtotal		3.4916E+00	9.4370E-02	
												Total		3.4916E+00	9.4370E-02	
												Source [1.9659E-01 kg]				
4484/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0776	8255.3817	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0776	100	OXIDES/NONE	0.00	Th-230 [1.2650E-07 kg]	3.22908E-01	9.8287E-02	2.6564E-03	AU
		144.0000	9.1000	0.0150	<2.2000E+02	<2.2000E+03		144.0000				Th-232 [9.6596E-02 kg]	1.29163E+00	3.9316E-01	1.0626E-02	
												U-nat [2.9086E-01 kg]	2.51031E+01	7.6409E+00	2.0651E-01	
												Subtotal		8.1323E+00	2.1979E-01	
												Total		8.1323E+00	2.1979E-01	
												Source [3.8746E-01 kg]				
4494/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9833.8832	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [8.7267E-08 kg]	1.86879E-01	6.7806E-02	1.8326E-03	AU
		171.0000	10.8400	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [6.6641E-02 kg]	7.47518E-01	2.7123E-01	7.3305E-03	
												U-nat [2.3405E-01 kg]	1.69458E+01	6.1487E+00	1.6618E-01	
												Subtotal		6.4877E+00	1.7534E-01	
												Total		6.4877E+00	1.7534E-01	
												Source [3.0069E-01 kg]				
Shipment Totals		45.6750	92637.1760									Source [1.3468E+01 kg]		3.2303E+02	8.7304E+00	
		1613.0000	102.1150													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-498
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-498
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.4783E+00	3.9955E-02
Th-232	5.9133E+00	1.5982E-01
U-nat	3.1563E+02	8.5306E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/8/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 11

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-498
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100025
☑ GENERATOR TYPE (Specify) 1

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/03/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/3/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-498

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66057

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12-15-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE | DATE 12/3/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6055E+02	7.0418E+00	NA	21630 LBS; 171 FT3	4312
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.7826E+01	4.8176E-01	NA	21120 LBS; 167 FT3	4449
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2001E+00	1.6757E-01	NA	15110 LBS; 119 FT3	4471
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9959E+00	5.3944E-02	NA	13630 LBS; 108 FT3	4473
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3138E+00	1.1659E-01	NA	15360 LBS; 121 FT3	4474
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7690E+00	1.2889E-01	NA	19670 LBS; 155 FT3	4475

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

NYSDEC:V00089-1;UR827010-039: 011404 • 0712

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-496	CIRR	MWCX 100025

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 10/3/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWC~~X~~
Emergency Contact:	CHEMTREC 800-424-9300	100025

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4484	18200
		4481	18900
		Total:	37100
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100025

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4473	13630
		4471	15110
		Total:	28740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100025

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4312	21630
		4474	15360
		Total:	36990
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100025

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4477	19950
		4449	21120
		Total:	41070
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100025

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4475	19670
		4476	18980
		Total:	38650
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/3/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100025

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4494	21680
			0
		Total:	21680
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/3/2003
Transporter	Signature		Date
Priority Transport			12/3/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209300	18200	18900	13630	15110	21630	15360	19950	21120	19670	18980	21680
	0840-01-498	Bag #	4484	4481	4473	4471	4312	4474	4477	4449	4475	4476	4494
	Storage Loc.												
100025	12/3/2003	209300	191100	172200	158570	143460	121830	106470	86520	65400	45730	26750	5070

Daily Shipping checklist for Trucks and Packages

Date: 12/3/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4312		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4449		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4471		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4473		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4474		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4475		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4476		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4477		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4481		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4484		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
11	4494		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8802 Date: 10-28-03 Time: 1257

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4198 Storage Bin: 51 Gross Weight: 21700 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	33	<MDA
2	2		28	
3	1		30	
4	1		26	
5	3		26	
6	2		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

06639-S-110214198-05.0

Date: 10/28/03 Time:1328

10-28-03 12:57 Bag# 4198

21700 lb GR

102803 1257 4198 0021700

Shipment Survey

Survey Number: GTEOSI 8915 Date: 10-31-03 Time: 1436

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4313 Storage Bin: 47 Gross Weight: 23040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	16	<MDA
2	0		24	
3	2		27	
4	0		26	
5	0		25	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06803-S-11P214313-16.0
Date: 10/31/03 Time:1537

10-31-03 14:36 Bag# 4313
23040 lb GR
103103 1436 4313 0023040

Shipment Survey

Survey Number: GTEOSI 9094 Date: 11-21-03 Time: 1040

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4491 Storage Bin: 41 Gross Weight: 19880 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .04 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	20	<MDA
2	1		27	
3	~~0~~		26	
4	1		28	
5	1		24	
6	~~0~~		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07056-S-14X214491-04.0
Date: 11/21/03 Time:1039

11-21-03 10:40 Bag# 4491
19880 lb GR
112103 1040 4491 0019880

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9095 Date: 11-21-03 Time: 1111

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4492 Storage Bin: 41 Gross Weight: 19830 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	32	<MDA
2	1		34	
3	4		22	
4	~~0~~		29	
5	~~0~~		31	
6	~~0~~		40	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage
Surveyor Name

Debra LeSage
Surveyor Signature

Supervisor Approval

07057-8-14X214492-04.0
Date: 11/21/03 Time:1115

11-21-03 11:11 Bag# 4492
19830 lb GR
112103 1111 4492 0019830

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9096 Date: 11-21-03 Time: 1129

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4493 Storage Bin: 41 Gross Weight: 20190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	28	<MDA
2	~~0~~		31	
3	~~0~~		27	
4	3		41	
5	~~0~~		27	
6	1		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07056-S-14X214493-04.0
Date: 11/21/03 Time:1127

11-21-03 11:29 Bag# 4493
20190 lb GR
112103 1129 4493 0020190

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9101 Date: 11-21-03 Time: 1440

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4498 Storage Bin: 42 Gross Weight: 19700 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	42	<MDA
2	1		30	
3	1		23	
4	2		36	
5	~~0~~		27	
6	3		37	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07066-S-14X214498-04.0

Date: 11/21/03 Time:1357

11-21-03 14:38 Bag# 4498

19700 lb GR

112103 1436 4498 0019700

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9110 Date: 11-21-03 Time: 1552

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4507 Storage Bin: 45 Gross Weight: 18830 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	23	<MDA
2	1		23	
3	0		24	
4	1		47	
5	1		28	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePAGE
Surveyor Name

Debra LePage
Surveyor Signature

G. M.
Supervisor Approval

07076-S-14X234507-04.0
Date: 11/21/03 Time:1600

11-21-03 15:52 Bag# 4507
18830 lb GR
112103 1552 4507 0018830

Shipment Survey

Survey Number: GTEOSI 9111 Date: 11-21-03 Time: 1607

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4508 Storage Bin: 45 Gross Weight: 18190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	36	<MDA
2	~~0~~		26	
3	1		23	
4	~~0~~		25	
5	2		36	
6	~~0~~		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07077-S-14X224508-04.0
Date: 11/21/03 Time:1604

11-21-03 16:07 Bag# 4508
18190 lb GR
112103 1607 4508 0018190

Shipment Survey

Survey Number: GTEOSI 9115 Date: 11-22-03 Time: 1037

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4511 Storage Bin: 46 Gross Weight: 18140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	24	<MDA
2	1		29	
3	~~0~~		18	
4	2		22	
5	3		32	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07082-S-14X224511-04.0

Date: 11/22/03 Time:1045

11-22-03 10:37 Bag# 4511

18140 lb GR

112203 1037 4511 0018140

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9116 Date: 11-22-03 Time: 1049

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4513 Storage Bin: 46 Gross Weight: 18680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	36	<MDA
2	~~0~~		27	
3	1		27	
4	~~0~~		34	
5	1		18	
6	~~0~~		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07083-S-14X224513-04.0
Date: 11/22/03 Time:1056

11-22-03 10:49 Bag# 4513
18680 lb GR
112203 1049 4513 0018680

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-499
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5228

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-499

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOST DATE: 12/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.1185E+00	2.1942E-01	NA	21700 LBS; 172 FT3	4198
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3489E+00	1.7159E-01	NA	23040 LBS; 182 FT3	4313
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0795E+00	1.3728E-01	NA	19880 LBS; 157 FT3	4491
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8772E+00	1.0479E-01	NA	19830 LBS; 157 FT3	4492
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9316E+00	1.0626E-01	NA	20190 LBS; 160 FT3	4493
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3481E+00	2.5265E-01	NA	19700 LBS; 156 FT3	4498

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-499

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2437E+00	8.7669E-02	NA	18830 LBS; 149 FT3	4507
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9949E+00	1.6202E-01	NA	18190 LBS; 144 FT3	4508
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6567E+00	1.2586E-01	NA	18140 LBS; 143 FT3	4511
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5859E+00	2.0502E-01	NA	18680 LBS; 148 FT3	4513

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3	44.4007	kg	89530.0679	NP	NP	NP	NP
	ft3	1568.0000	ton	98.6900				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.8185E+01	NP	NP	NP	NP	(kg)	3.1483E+00
mCi	1.5726E+00	NP	NP	NP	NP	(tons)	3.4704E-03

2. MANIFEST NUMBER 0840-01-499

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-499

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4198/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9842.9551	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [4.9160E-07 kg]	1.05177E+00	3.8199E-01	1.0324E-02	AU
		172.0000	10.8500	0.0300	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [3.7541E-01 kg]	4.20709E+00	1.5279E+00	4.1295E-02	
												U-nat [2.3633E-01 kg]	1.70950E+01	6.2086E+00	1.6780E-01	
												Subtotal		8.1185E+00	2.1942E-01	
												Total Source [6.1174E-01 kg]		8.1185E+00	2.1942E-01	
4313/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10450.7689	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [2.6526E-07 kg]	5.34397E-01	2.0611E-01	5.5705E-03	AU
		182.0000	11.5200	0.0200	<2.2000E+02	<2.2000E+03		182.0000				Th-232 [2.0256E-01 kg]	2.13759E+00	8.2443E-01	2.2282E-02	
												U-nat [2.0245E-01 kg]	1.37896E+01	5.3184E+00	1.4374E-01	
												Subtotal		6.3489E+00	1.7159E-01	
												Total Source [4.0502E-01 kg]		6.3489E+00	1.7159E-01	
4491/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4457	9017.4169	0.0004	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4457	100	OXIDES/NONE	0.00	Th-230 [1.1157E-07 kg]	2.60638E-01	8.6687E-02	2.3429E-03	AU
		157.0000	9.9400	0.0400	<2.2000E+02	<2.2000E+03		157.0000				Th-232 [8.5197E-02 kg]	1.04255E+00	3.4675E-01	9.3717E-03	
												U-nat [1.7686E-01 kg]	1.39687E+01	4.6461E+00	1.2557E-01	
												Subtotal		5.0795E+00	1.3728E-01	
												Total Source [2.6205E-01 kg]		5.0795E+00	1.3728E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-499

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4492/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4457	8994.7373	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4457	100	OXIDES/NONE	0.00	Th-230 [6.9376E-08 kg]	1.62482E-01	5.3905E-02	1.4569E-03	AU
		157.0000	9.9150	0.0200	<2.2000E+02	<2.2000E+03		157.0000				Th-232 [5.2978E-02 kg]	6.49929E-01	2.1562E-01	5.8276E-03	
												U-nat [1.3733E-01 kg]	1.08744E+01	3.6077E+00	9.7505E-02	
												Subtotal		3.8772E+00	1.0479E-01	
												Total Source [1.9031E-01 kg]		3.8772E+00	1.0479E-01	
4493/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9158.0306	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.0260E-07 kg]	2.35993E-01	7.9720E-02	2.1546E-03	AU
		160.0000	10.0950	0.0200	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [7.8349E-02 kg]	9.43972E-01	3.1888E-01	8.6184E-03	
												U-nat [1.3449E-01 kg]	1.04587E+01	3.5330E+00	9.5487E-02	
												Subtotal		3.9316E+00	1.0626E-01	
												Total Source [2.1284E-01 kg]		3.9316E+00	1.0626E-01	
4498/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8935.7703	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [1.0907E-07 kg]	2.57128E-01	8.4745E-02	2.2904E-03	AU
		156.0000	9.8500	0.0200	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [8.3286E-02 kg]	1.02851E+00	3.3897E-01	9.1614E-03	
												U-nat [3.3972E-01 kg]	2.70782E+01	8.9244E+00	2.4120E-01	
												Subtotal		9.3481E+00	2.5265E-01	
												Total Source [4.2300E-01 kg]		9.3481E+00	2.5265E-01	
4507/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8541.1449	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [7.6687E-08 kg]	1.89184E-01	5.9585E-02	1.6104E-03	AU
		149.0000	9.4150	0.0200	<2.2000E+02	<2.2000E+03		149.0000				Th-232 [5.8561E-02 kg]	7.56738E-01	2.3834E-01	6.4417E-03	
												U-nat [1.1214E-01 kg]	9.35295E+00	2.9458E+00	7.9617E-02	
												Subtotal		3.2437E+00	8.7669E-02	
												Total Source [1.7070E-01 kg]		3.2437E+00	8.7669E-02	
4508/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0776	8250.8458	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0776	100	OXIDES/NONE	0.00	Th-230 [5.7951E-08 kg]	1.48014E-01	4.5029E-02	1.2170E-03	AU
		144.0000	9.0950	0.0150	<2.2000E+02	<2.2000E+03		144.0000				Th-232 [4.4253E-02 kg]	5.92057E-01	1.8011E-01	4.8679E-03	
												U-nat [2.1964E-01 kg]	1.89666E+01	5.7698E+00	1.5594E-01	
												Subtotal		5.9949E+00	1.6202E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-499

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.6389E-01 kg]		5.9949E+00	1.6202E-01	
4511/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.0493	8228.1661	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.0493	100	OXIDES/NONE	0.00	Th-230 [1.4732E-07 kg]	3.77305E-01	1.1446E-01	3.0936E-03	AU
		143.0000	9.0700	0.0150	<2.2000E+02	<2.2000E+03		143.0000				Th-232 [1.1250E-01 kg]	1.50922E+00	4.5788E-01	1.2375E-02	
												U-nat [1.5548E-01 kg]	1.34635E+01	4.0844E+00	1.1039E-01	
												Subtotal		4.6567E+00	1.2586E-01	
												Total Source [2.6798E-01 kg]		4.6567E+00	1.2586E-01	
4513/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1909	8473.1060	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1909	100	OXIDES/NONE	0.00	Th-230 [8.4416E-08 kg]	2.09929E-01	6.5590E-02	1.7727E-03	AU
		148.0000	9.3400	0.0150	<2.2000E+02	<2.2000E+03		148.0000				Th-232 [6.4463E-02 kg]	8.39716E-01	2.6236E-01	7.0909E-03	
												U-nat [2.7628E-01 kg]	2.32294E+01	7.2579E+00	1.9616E-01	
												Subtotal		7.5859E+00	2.0502E-01	
												Total Source [3.4074E-01 kg]		7.5859E+00	2.0502E-01	
Shipment Totals		44.4007	89892.9419									Source [3.1483E+00 kg]		5.8185E+01	1.5726E+00	
		1568.0000	99.0900													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-499
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-499
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1778E+00	3.1833E-02
Th-232	4.7112E+00	1.2733E-01
U-nat	5.2296E+01	1.4134E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-499
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5228

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-499

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/16/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.1185E+00	2.1942E-01	NA	21700 LBS; 172 FT3	4198
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3489E+00	1.7159E-01	NA	23040 LBS; 182 FT3	4313
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0795E+00	1.3728E-01	NA	19880 LBS; 157 FT3	4491
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8772E+00	1.0479E-01	NA	19830 LBS; 157 FT3	4492
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9316E+00	1.0626E-01	NA	20190 LBS; 160 FT3	4493
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3481E+00	2.5265E-01	NA	19700 LBS; 156 FT3	4498

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-499	LTRR	MHFX 5228

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Derek O'Farrell

Shipment Date 12/4/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5228

TR: TL:

Quantity	Description		Net Weight/Vol.
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4507	18830
		4508	18190
		Total:	37020
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5228

TR: TL:

Quantity	Description		Net Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4198	21700
		4511	18140
		Total:	39840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5228

TR: TL:

# Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4492	19830
		4493	20190
		Total:	40020
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5228
TR:	TL:	

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4313	23040
		4491	19880
		Total:	42920
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5228

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4498	19700
		4513	18680
		Total:	38380
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	199400	18830	18190	21700	18140	19830	20190	23040	19880	19700	18680
	0840-01-499	Bag #	4507	4508	4198	4511	4492	4493	4313	4491	4498	4513
	Storage Loc.											
5228	12/4/2003	199400	180570	162380	140680	122540	102710	82520	59480	39600	19900	1220

Daily Shipping checklist for Trucks and Packages

Date: 12/4/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1			
2			

Gondola has been inspected for proper marking and labeling. Int. _____

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4507		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4508		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4198		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4511		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4492		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4493		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4313		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4491		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4498		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4513		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 8941 Date: 11-3-03 Time: 1007

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4338 Storage Bin: 56 Gross Weight: 23290 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	25	<MDA
2	0		22	
3	0		31	
4	1		21	
5	1		25	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

06858-S-110224338-16.0
Date: 11/03/03 Time:1017

11-03-03 10:07 Bag# 4338
23290 lb GR
110303 1007 4338 0023290

Shipment Survey

Survey Number: GTEOSI 8954 Date: 11-3-03 Time: 1125

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4350 Storage Bin: 52 Gross Weight: 23190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	27	<MDA
2	~~0~~		20	
3	3		30	
4	2		27	
5	~~0~~		22	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage — Debra L Page

Surveyor Name — Surveyor Signature

[illegible] in lieu of R. Happing

Supervisor Approval

06872-S-110204350-12.0
Date: 11/03/03 Time: 1138

11-03-03 11:25 Bag# 4350
23190 lb GR
110303 1125 4350 0023190

Shipment Survey

Survey Number: GTEOSI 9058 Date: 11-7-03 Time: 1535

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4455 Storage Bin: 32 Gross Weight: 20760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	30	<MDA
2	Ø		27	
3	Ø		25	
4	Ø		32	
5	Ø		34	
6	Ø		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

06398-S-11P214455-18.0

Date: 11/07/03 Time:1548

11-07-03 15:35 Bag# 4455

20760 lb GR

110703 1535 4455 0020760

Shipment Survey

Survey Number: GTEOSI 9063 Date: 11-11-03 Time: 1502

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4457 Storage Bin: 34 Gross Weight: 20280 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	2		32	
3	1		22	
4	0		30	
5	0		35	
6	5		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

07006-S-04U164457-24.0
Date: 11/11/03 Time:1523

11-11-03 15:02 Bag# 4457
20280 lb GR
111103 1502 4457 0020280

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9100 Date: 11-21-03 Time: 1428

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4497 Storage Bin: 42 Gross Weight: 23600 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	27	LMDA
2	1		19	
3	1		39	
4	1		28	
5	1		17	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage
Surveyor Name

Debra LeSage
Surveyor Signature

Supervisor Approval

07063-S-14X234497-02.0
Date: 11/21/03 Time:1345

11-21-03 14:28 Bag# 4497
23600 lb GR
112103 1428 4497 0023600

Shipment Survey

Survey Number: GTEOSI 9102 Date: 11-21-03 Time: 1442

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4499 Storage Bin: 43 Gross Weight: 19700 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	22	<MDA
2	2		32	
3	2		30	
4	3		28	
5	~~0~~		33	
6	5		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Debra L. LePage — Surveyor Signature

Supervisor Approval

07068-S-14Y234499-02.0
Date: 11/21/03 Time:1442

11-21-03 14:42 Bag# 4499
19700 lb GR
112103 1442 4499 0019700

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9/03 Date: 11-21-03 Time: 1448

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4501 Storage Bin: 43 Gross Weight: 18360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	5	<MDA	39	<MDA
2	1		39	
3	6		38	
4	2		33	
5	1		20	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage
Surveyor Name

Debra LeFage
Surveyor Signature

Supervisor Approval

07069-S-14Y224501-02.0
Date: 11/21/03 Time:1456

11-21-03 14:48 Bag# 4501
18360 lb GR
112103 1448 4501 0018360

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9106 Date: 11-21-03 Time: 1513

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4503 Storage Bin: 44 Gross Weight: 19790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	36	<MDA
2	2		23	
3	3		28	
4	2		44	
5	1		33	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07071-S-14X214503-04.0
Date: 11/21/03 Time:1516

11-21-03 15:13 Bag# 4503
19790 lb GR
112103 1513 4503 0019790

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9113 Date: 11-21-03 Time: 1616

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4510 Storage Bin: 45 Gross Weight: 17020 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	27	<MDA
2	2		30	
3	5		44	
4	~~0~~		23	
5	~~0~~		33	
6	~~0~~		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage
Surveyor Name

Surveyor Signature

Supervisor Approval

07079-S-14X224510-04.8
Date: 11/21/03 Time:1621

11-21-03 16:16 Bag# 4510
17020 lb GR
112103 1616 4510 0017020

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9121 Date: 11-22-03 Time: 1256

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4520 Storage Bin: 47 Gross Weight: 15820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	LMDA	22	LMDA
2	1		26	
3	2		27	
4	1		30	
5	~~0~~		37	
6	3		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LPage
Surveyor Signature

Supervisor Approval

07089-S-14X234520-02.0
Date: 11/22/03 Time:1305

11-22-03 12:56 Bag# 4520
15820 lb GR
112203 1256 4520 0015820

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====> EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-500
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5263
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt* — DATE: 12/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-500

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt* — DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1309E+01	3.0565E-01	NA	23290 LBS; 184 FT3	4338
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0293E+00	1.6295E-01	NA	23190 LBS; 183 FT3	4350
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9934E+00	1.8901E-01	NA	20760 LBS; 164 FT3	4455
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0110E+00	5.4352E-02	NA	20280 LBS; 160 FT3	4457
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6631E+00	1.2603E-01	NA	23600 LBS; 187 FT3	4497
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9931E+00	1.6198E-01	NA	19700 LBS; 156 FT3	4499

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-500

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3462E+00	1.7152E-01	NA	18360 LBS; 145 FT3	4501
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5284E+00	1.7644E-01	NA	19790 LBS; 156 FT3	4503
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1551E+00	1.6635E-01	NA	17020 LBS; 134 FT3	4510
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4230E+01	3.8460E-01	NA	15820 LBS; 125 FT3	4520

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 45.1371 ft3 1594.0000	kg 91176.6084 ton 100.5050	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.0259E+01	NP	NP	NP	NP	(kg)	3.2439E+00
mCi	1.8989E+00	NP	NP	NP	NP	(tons)	3.5758E-03

2. MANIFEST NUMBER 0840-01-500

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-500

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4338/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10564.1670	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [6.4430E-08 kg]	1.28404E-01	5.0061E-02	1.3530E-03	AU
		184.0000	11.6450	0.0200	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [4.9201E-02 kg]	5.13617E-01	2.0025E-01	5.4122E-03	
												U-nat [4.2096E-01 kg]	2.83640E+01	1.1059E+01	2.9888E-01	
												Subtotal		1.1309E+01	3.0565E-01	
												Total Source [4.7016E-01 kg]		1.1309E+01	3.0565E-01	
4350/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10518.8078	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [6.8600E-08 kg]	1.37305E-01	5.3302E-02	1.4406E-03	AU
		183.0000	11.5950	0.0100	<2.2000E+02	<2.2000E+03		183.0000				Th-232 [5.2385E-02 kg]	5.49220E-01	2.1321E-01	5.7624E-03	
												U-nat [2.1937E-01 kg]	1.48451E+01	5.7628E+00	1.5575E-01	
												Subtotal		6.0293E+00	1.6295E-01	
												Total Source [2.7176E-01 kg]		6.0293E+00	1.6295E-01	
4455/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9416.5782	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.8010E-07 kg]	4.02837E-01	1.3994E-01	3.7821E-03	AU
		164.0000	10.3800	0.0100	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.3753E-01 kg]	1.61135E+00	5.5977E-01	1.5129E-02	
												U-nat [2.3958E-01 kg]	1.81178E+01	6.2937E+00	1.7010E-01	
												Subtotal		6.9934E+00	1.8901E-01	
												Total Source [3.7711E-01 kg]		6.9934E+00	1.8901E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-500

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4457/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9198.8539	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [3.2366E-08 kg]	7.41135E-02	2.5148E-02	6.7968E-04	AU
												Th-232 [2.4716E-02 kg]	2.96454E-01	1.0059E-01	2.7187E-03	
		160.0000	10.1400	0.0100	<2.2000E+02	<2.2000E+03		160.0000				U-nat [7.1767E-02 kg]	5.55615E+00	1.8853E+00	5.0954E-02	
												Subtotal		2.0110E+00	5.4352E-02	
												Total Source [9.6482E-02 kg]		2.0110E+00	5.4352E-02	
4497/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2953	10704.7806	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2953	100	OXIDES/NONE	0.00	Th-230 [1.0857E-07 kg]	2.13511E-01	8.4356E-02	2.2799E-03	AU
												Th-232 [8.2905E-02 kg]	8.54043E-01	3.3742E-01	9.1195E-03	
		187.0000	11.8000	0.0200	<2.2000E+02	<2.2000E+03		187.0000				U-nat [1.6146E-01 kg]	1.07353E+01	4.2413E+00	1.1463E-01	
												Subtotal		4.6631E+00	1.2603E-01	
												Total Source [2.4436E-01 kg]		4.6631E+00	1.2603E-01	
4499/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8935.7703	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [8.3389E-08 kg]	1.96596E-01	6.4794E-02	1.7512E-03	AU
												Th-232 [6.3679E-02 kg]	7.86383E-01	2.5917E-01	7.0047E-03	
		156.0000	9.8500	0.0200	<2.2000E+02	<2.2000E+03		156.0000				U-nat [2.1580E-01 kg]	1.72010E+01	5.6691E+00	1.5322E-01	
												Subtotal		5.9931E+00	1.6198E-01	
												Total Source [2.7948E-01 kg]		5.9931E+00	1.6198E-01	
4501/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1059	8327.9565	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1059	100	OXIDES/NONE	0.00	Th-230 [9.9682E-08 kg]	2.52234E-01	7.7452E-02	2.0933E-03	AU
												Th-232 [7.6121E-02 kg]	1.00894E+00	3.0981E-01	8.3733E-03	
		145.0000	9.1800	0.0200	<2.2000E+02	<2.2000E+03		145.0000				U-nat [2.2684E-01 kg]	1.94060E+01	5.9589E+00	1.6105E-01	
												Subtotal		6.3462E+00	1.7152E-01	
												Total Source [3.0296E-01 kg]		6.3462E+00	1.7152E-01	
4503/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8976.5936	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [1.3268E-07 kg]	3.11383E-01	1.0310E-01	2.7864E-03	AU
												Th-232 [1.0132E-01 kg]	1.24553E+00	4.1237E-01	1.1145E-02	
		156.0000	9.8950	0.0200	<2.2000E+02	<2.2000E+03		156.0000				U-nat [2.2889E-01 kg]	1.81613E+01	6.0129E+00	1.6251E-01	
												Subtotal		6.5284E+00	1.7644E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-500

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.3021E-01 kg]		6.5284E+00	1.7644E-01	
4510/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.7945	7720.1426	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.7945	100	OXIDES/NONE	0.00	Th-230 [8.0128E-08 kg]	2.18794E-01	6.2260E-02	1.6827E-03	AU
		134.0000	8.5100	0.0200	<2.2000E+02	<2.2000E+03		134.0000				Th-232 [6.1189E-02 kg]	8.75177E-01	2.4904E-01	6.7308E-03	
												U-nat [2.2245E-01 kg]	2.05359E+01	5.8438E+00	1.5794E-01	
												Subtotal		6.1551E+00	1.6635E-01	
												Total Source [2.8363E-01 kg]		6.1551E+00	1.6635E-01	
4520/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.5396	7175.8318	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.5396	100	OXIDES/NONE	0.00	Th-230 [7.4838E-08 kg]	2.19929E-01	5.8149E-02	1.5716E-03	AU
		125.0000	7.9100	0.0150	<2.2000E+02	<2.2000E+03		125.0000				Th-232 [5.7149E-02 kg]	8.79716E-01	2.3260E-01	6.2864E-03	
												U-nat [5.3063E-01 kg]	5.27212E+01	1.3939E+01	3.7674E-01	
												Subtotal		1.4230E+01	3.8460E-01	
												Total Source [5.8777E-01 kg]		1.4230E+01	3.8460E-01	
Shipment Totals		45.1371	91539.4823									Source [3.2439E+00 kg]		7.0259E+01	1.8989E+00	
		1594.0000	100.9050													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number

0840-01-500

PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-500
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.1856E-01	1.9420E-02
Th-232	2.8742E+00	7.7682E-02
U-nat	6.6666E+01	1.8018E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/8/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-500
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) 1

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5263

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-500

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66091

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/16/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Driver GTEOSI | DATE: 12/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1309E+01	3.0565E-01	NA	23290 LBS; 184 FT3	4338
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0293E+00	1.6295E-01	NA	23190 LBS; 183 FT3	4350
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9934E+00	1.8901E-01	NA	20760 LBS; 164 FT3	4455
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0110E+00	5.4352E-02	NA	20280 LBS; 160 FT3	4457
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6631E+00	1.2603E-01	NA	23600 LBS; 187 FT3	4497
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.9931E+00	1.6198E-01	NA	19700 LBS; 156 FT3	4499

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-500	LIRR	MHFX 5263

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/4/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5263

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4497	23600
		4457	20280
		Total:	43880
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5263

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4455	20760
		4499	19700
		Total:	40460
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5263

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4501	18360
		4503	19790
		Total:	38150
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5263

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4350	23190
		4338	23290
		Total:	46480
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5263

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4510	17020
		4520	15820
		Total:	32840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/4/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4338		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4350		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4455		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4457		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4497		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4499		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4501		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4503		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4510		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4520		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	201900	23600	20280	20760	19700	18360	19790	23190	23290	17020	15820
	0840-01-500	Bag #	4497	4457	4455	4499	4501	4503	4350	4338	4510	4520
	Storage Loc.											
5263	12/4/2003	201900	178300	158020	137260	117560	99200	79410	56220	32930	15910	90

Shipment Survey

Survey Number: GTEOSI 8944 Date: 11-3-03 Time: 1023

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4340 Storage Bin: 57 Gross Weight: 21550 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	25	<MDA
2	0		13	
3	1		26	
4	0		34	
5	0		23	
6	2		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage Debra LePage
Surveyor Name Surveyor Signature

[illegible] under of R Hopping
Supervisor Approval

06862-S-110204340-10.0
Date: 11/03/03 Time:1029

11-03-03 10:23 Bag# 4340
21550 lb GR
110303 1023 4340 0021550

Shipment Survey

Survey Number: GTEOSI 8946 Date: 11-3-03 Time: 1033

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4342 Storage Bin: 57 Gross Weight: 23760 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	27	<MDA
2	1		24	
3	2		24	
4	1		32	
5	2		24	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06864-S-110204342-10.0
Date: 11/03/03 Time:1036

11-03-03 10:33 Bag# 4342
23760 lb GR
110303 1033 4342 0023760

Shipment Survey

Survey Number: GTEOSI 8947 Date: 11-3-03 Time: 1036

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4343 Storage Bin: 57 Gross Weight: 20660 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	21	<MDA
2	0		21	
3	0		32	
4	1		31	
5	0		21	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

[illegible] under of R. Hopping
Supervisor Approval

06865-S-110204343-12.0
Date: 11/03/03 Time:1048

11-03-03 10:36 Bag# 4343
20660 lb GR
110303 1036 4343 0020660

Shipment Survey

Survey Number: GTEOSI 8950 Date: 11-3-03 Time: 1104

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4347 Storage Bin: 58 Gross Weight: 23630 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	26	<MDA
2	0		35	
3	1		27	
4	0		25	
5	0		29	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LPage
Surveyor Signature

[illegible] on behalf of R Kapping
Supervisor Approval

06870-S-110204347-12.0
Date: 11/03/03 Time:1125

11-03-03 11:04 Bag# 4347
23630 lb GR
110303 1104 4347 0023630

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 8953 Date: 11-3-03 Time: 1117

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4349 Storage Bin: 52 Gross Weight: 22750 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	3	<MDA	24	<MDA
2	1		30	
3	~~0~~		32	
4	~~0~~		27	
5	~~0~~		21	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

[illegible] on behalf of R Hopping
Supervisor Approval

06871-S-11Q204349-12.0
Date: 11/03/03 Time:1127

11-03-03 11:17 Bag# 4349
22750 lb GR
110303 1117 4349 0022750

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9112 Date: 11-21-03 Time: 1612

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4509 Storage Bin: 45 Gross Weight: 17660 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	25	<MDA
2	~~0~~		30	
3	2		29	
4	1		32	
5	1		33	
6	2		42	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L. Page
Surveyor Signature

Supervisor Approval

07078-S-14X224509-04.0
Date: 11/21/03 Time:1611

11-21-03 16:12 Bag# 4509
17660 lb GR
112103 1612 4509 0017660

Shipment Survey

Survey Number: GTEOSI 9119 Date: 11-22-03 Time: 1136

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4515 Storage Bin: 47 Gross Weight: 17740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	3	<MDA	23	<MDA
2	1		21	
3	2		29	
4	~~0~~		25	
5	~~0~~		29	
6	4		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07085-S-142224515-00.5
Date: 11/22/03 Time:1146

11-22-03 11:38 Bag# 4515
17740 lb GR
112203 1136 4515 0017740

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9118 Date: 11-22-03 Time: 1125

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4516 Storage Bin: 47 Gross Weight: 17460 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 1015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	36	<MDA
2	~~0~~		31	
3	1		38	
4	1		24	
5	~~0~~		32	
6	2		39	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07086-6-142224516-00.5
Date: 11/22/03 Time:1149

11-22-03 11:25 Bag# 4516
17460 lb GR
112203 1125 4516 0017460

Shipment Survey

Survey Number: GTEOSI 9120 Date: 11-22-03 Time: 1238

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4518 Storage Bin: 47 Gross Weight: 17160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	1		33	
3	~~0~~		22	
4	~~0~~		30	
5	2		31	
6	3		37	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage
Surveyor Name

Debra L. LeFage
Surveyor Signature

Supervisor Approval

07088-S-14X234518-02.0
Date: 11/22/03 Time:1156

11-22-03 12:38 Bag# 4518
17160 lb GR
112203 1238 4518 0017160

Shipment Survey

Survey Number: GTEOSI 9125 Date: 11-22-03 Time: 1446

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4522 Storage Bin: 48 Gross Weight: 18370 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	27	<MDA
2	Ø		18	
3	Ø		31	
4	Ø		24	
5	1		31	
6	2		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

S. D. M
Supervisor Approval

07096-S-14X234522-02.0
Date: 11/22/03 Time:1414

11-22-03 14:46 Bag# 4522
18370 lb GR
112203 1446 4522 0018370

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-501
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101410

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – *Authorized carrier acknowledging waste receipt* — DATE: 12/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-501

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – *Authorized consignee acknowledging waste receipt* — DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4895E+00	9.4313E-02	NA	21550 LBS; 170 FT3	4340
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0870E+01	2.9380E-01	NA	23760 LBS; 188 FT3	4342
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4361E+00	1.1989E-01	NA	20660 LBS; 163 FT3	4343
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6524E+00	9.8713E-02	NA	23630 LBS; 187 FT3	4347
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1029E+00	1.3792E-01	NA	22750 LBS; 180 FT3	4349
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0984E+01	2.9686E-01	NA	17660 LBS; 140 FT3	4509

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-501

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0249E+00	5.4727E-02	NA	17740 LBS; 140 FT3	4515
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4039E+00	1.1902E-01	NA	17460 LBS; 138 FT3	4516
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8645E+00	1.8553E-01	NA	17160 LBS; 136 FT3	4518
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3358E+00	1.1718E-01	NA	18370 LBS; 145 FT3	4522

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 44.9389 ft3 1587.0000	kg 90691.2644 ton 99.9700	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.6164E+01	NP	NP	NP	NP	(kg)	2.6387E+00
mCi	1.5180E+00	NP	NP	NP	NP	(tons)	2.9087E-03

2. MANIFEST NUMBER 0840-01-501

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-501

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4340/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9774.9162	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [6.3847E-08 kg]	1.37553E-01	4.9610E-02	1.3408E-03	AU
		170.0000	10.7750	0.0100	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [4.8756E-02 kg]	5.50213E-01	1.9843E-01	5.3631E-03	
												U-nat [1.2339E-01 kg]	8.98799E+00	3.2415E+00	8.7609E-02	
												Subtotal		3.4895E+00	9.4313E-02	
												Total Source [1.7215E-01 kg]		3.4895E+00	9.4313E-02	
4342/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3236	10777.3554	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3236	100	OXIDES/NONE	0.00	Th-230 [7.7027E-08 kg]	1.50461E-01	5.9851E-02	1.6176E-03	AU
		188.0000	11.8800	0.0100	<2.2000E+02	<2.2000E+03		188.0000				Th-232 [5.8821E-02 kg]	6.01844E-01	2.3940E-01	6.4703E-03	
												U-nat [4.0241E-01 kg]	2.65762E+01	1.0571E+01	2.8571E-01	
												Subtotal		1.0870E+01	2.9380E-01	
												Total Source [4.6123E-01 kg]		1.0870E+01	2.9380E-01	
4343/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9371.2190	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [5.6420E-08 kg]	1.26809E-01	4.3838E-02	1.1848E-03	AU
		163.0000	10.3300	0.0100	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [4.3084E-02 kg]	5.07234E-01	1.7535E-01	4.7393E-03	
												U-nat [1.6052E-01 kg]	1.21982E+01	4.2169E+00	1.1397E-01	
												Subtotal		4.4361E+00	1.1989E-01	
												Total Source [2.0361E-01 kg]		4.4361E+00	1.1989E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-501

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4347/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.2953	10718.3884	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2953	100	OXIDES/NONE	0.00	Th-230 [6.6277E-08 kg]	1.30177E-01	5.1497E-02	1.3918E-03	AU
		187.0000	11.8150	0.0100	<2.2000E+02	<2.2000E+03		187.0000				Th-232 [5.0612E-02 kg]	5.20709E-01	2.0599E-01	5.5673E-03	
												U-nat [1.2923E-01 kg]	8.58179E+00	3.3949E+00	9.1754E-02	
												Subtotal		3.6524E+00	9.8713E-02	
												Total Source [1.7984E-01 kg]		3.6524E+00	9.8713E-02	
4349/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.0970	10319.2271	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [5.4537E-08 kg]	1.11277E-01	4.2376E-02	1.1453E-03	AU
		180.0000	11.3750	0.0100	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [4.1647E-02 kg]	4.45106E-01	1.6950E-01	4.5811E-03	
												U-nat [1.8618E-01 kg]	1.28436E+01	4.8910E+00	1.3219E-01	
												Subtotal		5.1029E+00	1.3792E-01	
												Total Source [2.2783E-01 kg]		5.1029E+00	1.3792E-01	
4509/GTEOSI	19 Strong Tight Container Loaded In Gondola	3.9644	8010.4418	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9644	100	OXIDES/NONE	0.00	Th-230 [1.5230E-07 kg]	4.00709E-01	1.1833E-01	3.1982E-03	AU
		140.0000	8.8300	0.0200	<2.2000E+02	<2.2000E+03		140.0000				Th-232 [1.1630E-01 kg]	1.60284E+00	4.7334E-01	1.2793E-02	
												U-nat [3.9560E-01 kg]	3.51914E+01	1.0392E+01	2.8087E-01	
												Subtotal		1.0984E+01	2.9686E-01	
												Total Source [5.1190E-01 kg]		1.0984E+01	2.9686E-01	
4515/GTEOSI	19 Strong Tight Container Loaded In Gondola	3.9644	8046.7292	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9644	100	OXIDES/NONE	0.00	Th-230 [9.3025E-08 kg]	2.43652E-01	7.2280E-02	1.9535E-03	AU
		140.0000	8.8700	0.0150	<2.2000E+02	<2.2000E+03		140.0000				Th-232 [7.1037E-02 kg]	9.74610E-01	2.8912E-01	7.8141E-03	
												U-nat [6.3322E-02 kg]	5.60750E+00	1.6635E+00	4.4959E-02	
												Subtotal		2.0249E+00	5.4727E-02	
												Total Source [1.3436E-01 kg]		2.0249E+00	5.4727E-02	
4516/GTEOSI	19 Strong Tight Container Loaded In Gondola	3.9077	7919.7233	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9077	100	OXIDES/NONE	0.00	Th-230 [8.4208E-08 kg]	2.24113E-01	6.5431E-02	1.7684E-03	AU
		138.0000	8.7300	0.0150	<2.2000E+02	<2.2000E+03		138.0000				Th-232 [6.4304E-02 kg]	8.96454E-01	2.6172E-01	7.0735E-03	
												U-nat [1.5518E-01 kg]	1.39631E+01	4.0767E+00	1.1018E-01	
												Subtotal		4.4039E+00	1.1902E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-501

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.1948E-01 kg]		4.4039E+00	1.1902E-01	
4518/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.8511	7783.6456	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.8511	100	OXIDES/NONE	0.00	Th-230 [7.6640E-08 kg]	2.07553E-01	5.9548E-02	1.6094E-03	AU
												Th-232 [5.8525E-02 kg]	8.30213E-01	2.3819E-01	6.4377E-03	
												U-nat [2.4997E-01 kg]	2.28876E+01	6.5668E+00	1.7748E-01	
		136.0000	8.5800	0.0150	<2.2000E+02	<2.2000E+03		136.0000				Subtotal		6.8645E+00	1.8553E-01	
												Total Source [3.0849E-01 kg]		6.8645E+00	1.8553E-01	
4522/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1059	8332.4924	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1059	100	OXIDES/NONE	0.00	Th-230 [8.8996E-08 kg]	2.25071E-01	6.9149E-02	1.8689E-03	AU
												Th-232 [6.7961E-02 kg]	9.00284E-01	2.7660E-01	7.4757E-03	
												U-nat [1.5188E-01 kg]	1.29866E+01	3.9901E+00	1.0784E-01	
		145.0000	9.1850	0.0200	<2.2000E+02	<2.2000E+03		145.0000				Subtotal		4.3358E+00	1.1718E-01	
												Total Source [2.1984E-01 kg]		4.3358E+00	1.1718E-01	
Shipment Totals		44.9389	91054.1384									Source [2.6387E+00 kg]		5.6164E+01	1.5180E+00	
		1587.0000	100.3700													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-501
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-501
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	6.3191E-01	1.7079E-02
Th-232	2.5276E+00	6.8315E-02
U-nat	5.3005E+01	1.4326E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-501
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: JTSX-101410
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/04/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/4/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-501

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/16/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/4/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4895E+00	9.4313E-02	NA	21550 LBS; 170 FT3	4340
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0870E+01	2.9380E-01	NA	23760 LBS; 188 FT3	4342
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4361E+00	1.1989E-01	NA	20660 LBS; 163 FT3	4343
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6524E+00	9.8713E-02	NA	23630 LBS; 187 FT3	4347
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1029E+00	1.3792E-01	NA	22750 LBS; 180 FT3	4349
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0984E+01	2.9686E-01	NA	17660 LBS; 140 FT3	4509

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-501	CIRR	JTSX 101410

Item	SAT	UNSAT	Criteria	Comments
Coupler	✓		Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	✓		Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	✓		Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	✓		Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	✓		No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs			Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)			Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket			Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	✓		Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	✓		Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	✓		Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	✓		Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing			Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Derek R. Farrell

Shipment Date 12/4/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101410

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4349	22750
		4509	17660
		Total:	40410
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101410

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4347	23630
		4340	21550
		Total:	45180
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101410

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4342	23760
		4343	20660
		Total:	44420
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101410

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4522	18370
		4516	17460
		Total:	35830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/4/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola JTSX
Emergency Contact:	CHEMTREC 800-424-9300	101410

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4515	17740
		4518	17160
		Total:	34900
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/4/2003
Transporter	Signature		Date
Priority Transport			12/4/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/4/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4340		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4342		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4343		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4347		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4349		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4509		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4515		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4516		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4518		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4522		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
JTSX	Shipment #	200900	22750	17660	23630	21550	23760	20660	18370	17460	17740	17160
	0840-01-501	Bag #	4349	4509	4347	4340	4342	4343	4522	4516	4515	4518
	Storage Loc.											
101410	12/4/2003	200900	178150	160490	136860	115310	91550	70890	52520	35060	17320	160

Shipment Survey

Survey Number: GTEOSI 9124 Date: 11-22-03 Time: 1422

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4517 Storage Bin: 48 Gross Weight: 21400 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	26	LMDA
2	~~0~~		30	
3	~~0~~		23	
4	1		26	
5	2		19	
6	1		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage
Surveyor Name

Surveyor Signature

Supervisor Approval

07094-S-14X224517-02.0
Date: 11/22/03 Time:1352

11-22-03 14:22 Bag# 4517
21400 lb GR
112203 1422 4517 0021400

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9122 Date: 11-22-03 Time: 1312

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4519 Storage Bin: 48 Gross Weight: 17720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	30	LMDA
2	1		35	
3	0		22	
4	1		18	
5	0		30	
6	2		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07090-S-14X234519-02.0
Date: 11/22/03 Time:1320

11-22-03 13:12 Bag# 4519
17720 lb GR
112203 1312 4519 0017720

Shipment Survey

Survey Number: GTEOSI 9123 Date: 11-22-03 Time: 1334

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4521 Storage Bin: 48 Gross Weight: 20200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	31	<MDA
2	1		37	
3	~~0~~		18	
4	3		24	
5	~~0~~		14	
6	5		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage
Surveyor Name

Surveyor Signature

Supervisor Approval

07091-S-14X214521-04.0
Date: 11/22/03 Time:1331

11-22-03 13:34 Bag# 4521
20200 lb GR
112203 1334 4521 0020200

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9128 Date: 11-22-03 Time: 1544

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4525 Storage Bin: 49 Gross Weight: 21370 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	26	<MDA
2	~~0~~		32	
3	2		23	
4	~~0~~		23	
5	1		28	
6	2		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeBARE Debra LeBare
Surveyor Name Surveyor Signature

Supervisor Approval

07099-S-14X224525-02.0
Date: 11/22/03 Time:1545

11-22-03 15:44 Bag# 4525
21370 lb GR
112203 1544 4525 0021370

Shipment Survey

Survey Number: GTEOSI - 9129 Date: 11-24-03 Time: 1311

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4527 Storage Bin: 49 Gross Weight: 16930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	26	<MDA
2	1		26	
3	2		24	
4	0		23	
5	1		29	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Surveyor Name

Cathy Buffington — Surveyor Signature

Supervisor Approval

07181-S-142224527-03.0

Date: 11/24/03 Time:1052

11-24-03 13:11 Bag# 4527

16930 lb GR

112403 1311 4527 0016930

Shipment Survey

Survey Number: GTEOSI -9133 Date: 11-24-03 Time: 1501

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4530 Storage Bin: 50 Gross Weight: 19010 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	0		24	
3	1		31	
4	2		42	
5	2		25	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington Cathy Buffington

Surveyor Name Surveyor Signature

Supervisor Approval

07148-S-142234530-03.0

Date: 11/24/03 Time:1513

11-24-03 15:01 Bag# 4530

19010 lb GR

112403 1501 4530 0019010

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9143 Date: 12-1-03 Time: 1615

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4541 Storage Bin: S3 Gross Weight: 19390 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	19	<MDA
2	1		32	
3	0		26	
4	1		21	
5	0		23	
6	0		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07224-S-11M214541-05.0
Date: 12/01/03 Time:1629

12-01-03 16:15 Bag# 4541
19390 lb GR
120103 1615 4541 0019390

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9145 Date: 12-2-03 Time: 0827

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4542 Storage Bin: S3 Gross Weight: 20200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	1		28	
3	1		29	
4	1		31	
5	0		18	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

07226-S-11N214542-05.0
Date: 12/02/03 Time: 0840

12-02-03 8:27 Bag# 4542
20200 lb GR
120203 0827 4542 0020200

Shipment Survey

Survey Number: GTEOSI 9148 Date: 12-2-03 Time: 1103

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4545 Storage Bin: 54 Gross Weight: 20420 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	21	<MDA
2	1		25	
3	~~0~~		27	
4	1		31	
5	~~0~~		32	
6	~~0~~		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Robert Hoff

Supervisor Approval

07232-S-11N214545-12.0

Date: 12/02/03 Time:1116

12-02-03 11:03 Bag# 4545

20420 lb GR

120203 1103 4545 0020420

Shipment Survey

Survey Number: GTEOSI 9149 Date: 12-2-03 Time: 1117

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4546 Storage Bin: 54 Gross Weight: 21240 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	16	<MDA
2	1		17	
3	1		31	
4	1		24	
5	0		26	
6	1		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07233-S-11N214546-12.0
Date: 12/02/03 Time:1128

12-02-03 11:17 Bag# 4546
21240 lb GR
120203 1117 4546 0021240

Revised 540

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-502
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5261

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/05/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/5/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-502

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/5/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.7765E+00	1.5612E-01	NA	21400 LBS; 169 FT3	4517
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.5326E+00	2.5764E-01	NA	17720 LBS; 140 FT3	4519
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1955E+00	1.4042E-01	NA	20200 LBS; 160 FT3	4521
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5690E+00	1.2349E-01	NA	21370 LBS; 169 FT3	4525
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2169E+00	8.6944E-02	NA	16930 LBS; 134 FT3	4527
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0293E+00	1.0890E-01	NA	19010 LBS; 150 FT3	4530

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-502

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.4632E+00	9.3601E-02	NA	19390 LBS; 153 FT3	4541
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.1047E+00	1.1094E-01	NA	20200 LBS; 160 FT3	4542
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5000E+00	1.7568E-01	NA	20420 LBS; 161 FT3	4545
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.4579E+00	1.2049E-01	NA	21240 LBS; 168 FT3	4546

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 44.2875 ft3 1564.0000	kg 89393.9901 ton 98.5400	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.0846E+01	NP	NP	NP	NP	(kg)	2.4501E+00
mCi	1.3742E+00	NP	NP	NP	NP	(tons)	2.7008E-03

2. MANIFEST NUMBER 0840-01-502

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-502

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4517/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9706.8774	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [7.1818E-08 kg]	1.55816E-01	5.5803E-02	1.5082E-03	AU
		169.0000	10.7000	0.0150	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [5.4843E-02 kg]	6.23262E-01	2.2321E-01	6.0327E-03	
												U-nat [2.0926E-01 kg]	1.53498E+01	5.4975E+00	1.4858E-01	
												Subtotal		5.7765E+00	1.5612E-01	
												Total Source [2.6410E-01 kg]		5.7765E+00	1.5612E-01	
4519/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.9644	8037.6573	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9644	100	OXIDES/NONE	0.00	Th-230 [8.2736E-08 kg]	2.16950E-01	6.4288E-02	1.7375E-03	AU
		140.0000	8.8600	0.0150	<2.2000E+02	<2.2000E+03		140.0000				Th-232 [6.3180E-02 kg]	8.67801E-01	2.5714E-01	6.9498E-03	
												U-nat [3.5064E-01 kg]	3.10860E+01	9.2112E+00	2.4895E-01	
												Subtotal		9.5326E+00	2.5764E-01	
												Total Source [4.1382E-01 kg]		9.5326E+00	2.5764E-01	
4521/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9162.5665	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [8.6455E-08 kg]	1.98759E-01	6.7177E-02	1.8156E-03	AU
		160.0000	10.1000	0.0150	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [6.6020E-02 kg]	7.95035E-01	2.6870E-01	7.2622E-03	
												U-nat [1.8499E-01 kg]	1.43787E+01	4.8596E+00	1.3134E-01	
												Subtotal		5.1955E+00	1.4042E-01	
												Total Source [2.5101E-01 kg]		5.1955E+00	1.4042E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

. FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-502

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4525/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9693.2696	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [7.5504E-08 kg]	1.64043E-01	5.8667E-02	1.5856E-03	AU
		169.0000	10.6850	0.0150	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [5.7657E-02 kg]	6.56170E-01	2.3467E-01	6.3423E-03	
												U-nat [1.6276E-01 kg]	1.19556E+01	4.2757E+00	1.1556E-01	
												Subtotal		4.5690E+00	1.2349E-01	
												Total Source [2.2042E-01 kg]		4.5690E+00	1.2349E-01	
4527/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.7945	7679.3193	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.7945	100	OXIDES/NONE	0.00	Th-230 [6.5080E-08 kg]	1.78652E-01	5.0568E-02	1.3667E-03	AU
		134.0000	8.4650	0.0200	<2.2000E+02	<2.2000E+03		134.0000				Th-232 [4.9697E-02 kg]	7.14610E-01	2.0227E-01	5.4667E-03	
												U-nat [1.1283E-01 kg]	1.04722E+01	2.9641E+00	8.0111E-02	
												Subtotal		3.2169E+00	8.6944E-02	
												Total Source [1.6253E-01 kg]		3.2169E+00	8.6944E-02	
4530/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8622.7915	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [8.6784E-08 kg]	2.12057E-01	6.7433E-02	1.8225E-03	AU
		150.0000	9.5050	0.0200	<2.2000E+02	<2.2000E+03		150.0000				Th-232 [6.6271E-02 kg]	8.48227E-01	2.6973E-01	7.2899E-03	
												U-nat [1.4054E-01 kg]	1.16109E+01	3.6921E+00	9.9786E-02	
												Subtotal		4.0293E+00	1.0890E-01	
												Total Source [2.0682E-01 kg]		4.0293E+00	1.0890E-01	
4541/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8795.1566	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [5.5558E-08 kg]	1.33085E-01	4.3168E-02	1.1667E-03	AU
		153.0000	9.6950	0.0100	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [4.2426E-02 kg]	5.32340E-01	1.7268E-01	4.6669E-03	
												U-nat [1.2362E-01 kg]	1.00114E+01	3.2474E+00	8.7767E-02	
												Subtotal		3.4632E+00	9.3601E-02	
												Total Source [1.6604E-01 kg]		3.4632E+00	9.3601E-02	
4542/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9162.5665	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [9.6173E-08 kg]	2.21099E-01	7.4725E-02	2.0196E-03	AU
		160.0000	10.1000	0.0100	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [7.3441E-02 kg]	8.84397E-01	2.9890E-01	8.0785E-03	
												U-nat [1.4203E-01 kg]	1.10397E+01	3.7311E+00	1.0084E-01	
												Subtotal		4.1047E+00	1.1094E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-502

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.1547E-01 kg]		4.1047E+00	1.1094E-01	
4545/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9262.3568	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [7.6922E-08 kg]	1.74929E-01	5.9770E-02	1.6154E-03	AU
		161.0000	10.2100	0.0100	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [5.8740E-02 kg]	6.99716E-01	2.3907E-01	6.4614E-03	
												U-nat [2.3606E-01 kg]	1.81501E+01	6.2012E+00	1.6760E-01	
												Subtotal		6.5000E+00	1.7568E-01	
												Total Source [2.9480E-01 kg]		6.5000E+00	1.7568E-01	
4546/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9634.3026	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [1.3871E-07 kg]	3.03227E-01	1.0778E-01	2.9130E-03	AU
		168.0000	10.6200	0.0100	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [1.0593E-01 kg]	1.21291E+00	4.3112E-01	1.1652E-02	
												U-nat [1.4919E-01 kg]	1.10261E+01	3.9190E+00	1.0592E-01	
												Subtotal		4.4579E+00	1.2049E-01	
												Total Source [2.5512E-01 kg]		4.4579E+00	1.2049E-01	
Shipment Totals		44.2875	89756.8641									Source [2.4501E+00 kg]		5.0846E+01	1.3742E+00	
		1564.0000	98.9400													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number

0840-01-502

PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-502
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	6.4937E-01	1.7551E-02
Th-232	2.5975E+00	7.0203E-02
U-nat	4.7599E+01	1.2865E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-100051 (MHFX-5261)

CONTACT: Jean Agostinelli

SHIPPER I.D. NUMBER: 0840-01-502

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/05/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato

DATE: 12/5/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-502

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: 666170

DATE: 12/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] — TITLE: Broker GTEOSI — DATE: 12/5/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.7765E+00	1.5612E-01	NA	21400 LBS; 169 FT3	4517
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.5326E+00	2.5764E-01	NA	17720 LBS; 140 FT3	4519
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1955E+00	1.4042E-01	NA	20200 LBS; 160 FT3	4521
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5690E+00	1.2349E-01	NA	21370 LBS; 169 FT3	4525
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2169E+00	8.6944E-02	NA	16930 LBS; 134 FT3	4527
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0293E+00	1.0890E-01	NA	19010 LBS; 150 FT3	4530

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
X No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
3540-01-502	CIRR	MHFX 5261

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents, or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Denis E Stovall

Shipment Date 12/5/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5261

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4541	19390
		4542	20200
		Total:	39590
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/5/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5261

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4545	21240
		4546	17720
		Total:	38960
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/5/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5261

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4519	17720
		4521	20200
		Total:	37920
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5261

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4517	21400
		4530	19010
		Total:	40410
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5261

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4525	21370
		4527	16930
		Total:	38300
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/5/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4517		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4519		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4521		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4525		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4527		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4530		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4541		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4542		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4545		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4546		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	201200	19390	20200	20420	21240	17720	20200	21400	19010	21370	16930
	0840-01-502	Bag #	4541	4542	4545	4546	4519	4521	4517	4530	4525	4527
	Storage Loc.											
5261	12/5/2003	201200	181810	161610	141190	119950	102230	82030	60630	41620	20250	3320

Shipment Survey

Survey Number: GTEOSI 9033 Date: 11-6-03 Time: 1453

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4432 Storage Bin: 46 Gross Weight: 21800 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	30	LMDA
2	Ø		33	
3	3		35	
4	Ø		23	
5	Ø		28	
6	Ø		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

06967-S-110204432-04.0

Date: 11/06/03 Time:1504

11-06-03 14:53 Bag# 4432

21800 lb GR

110603 1453 4432 0021800

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9067 Date: 11-17-03 Time: 1303

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4464 Storage Bin: 32 Gross Weight: 13790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	28	<MDA
2	0		30	
3	1		22	
4	0		34	
5	0		23	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

87012-S-14X254464-01.0

Date: 11/17/03 Time:1306

11-17-03 13:03 Bag# 4464

13790 lb GR

111703 1303 4464 0013790

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9071 Date: 11-17-03 Time: 1437

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4468 Storage Bin: 33 Gross Weight: 16820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: Ø mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	17	<MDA
2	1		26	
3	Ø		23	
4	Ø		36	
5	Ø		23	
6	Ø		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07016-S-14X254468-02.0
Date: 11/17/03 Time:1459

11-17-03 14:37 Bag# 4468
16820 lb GR
111703 1437 4468 0016820

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 9130 Date: 11-24-03 Time: 1340

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4524 Storage Bin: 5a Gross Weight: ~~18430~~ lbs

19510 lbs JB 5-4-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	25	<MDA
2	0		19	
3	0		28	
4	0		31	
5	1		26	
6	0		35	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

07140-S-142224526-03.0

Date: 11/24/03 Time: 1403

19510-lbs

11-24-03 13:40 Bag# 4526

~~18430 lb GR~~

112403 1340 4526 0018430

JB 5-4-05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 9131 Date: 11-24-03 Time: 1421

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4528 Storage Bin: 5a Gross Weight: 19670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		30	
3	1		31	
4	1		25	
5	2		28	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

07145-S-142224528-03.0

Date: 11/24/03 Time:1449

11-24-03 14:21 Bag# 4528

19670 lb GR

112403 1421 4528 0019670

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9132 Date: 11-24-03 Time: 1441

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4524 Storage Bin: 50 Gross Weight: 19020 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	80	N/A	500
Smear #				
1	1	<MDA	35	<MDA
2	0		32	
3	1		25	
4	0		29	
5	1		25	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington Cathy Buffington

Surveyor Name Surveyor Signature

Supervisor Approval

07146-S-142224529-03.0

Date: 11/24/03 Time:1452

11-24-03 14:41 Bag# 4529

19020 lb GR

112403 1441 4529 0019020

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 9134 Date: 11-24-03 Time: 1515

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4531 Storage Bin: 51 Gross Weight: 20360 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	0		19	
3	0		35	
4	0		32	
5	0		30	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

07152-S-142234531-03.0

Date: 11/24/03 Time:1535

11-24-03 15:15 Bag# 4531

20360 lb GR

112403 1515 4531 0020360

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI -9135 Date: 11-24-03 Time: 1526

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4532 Storage Bin: 51 Gross Weight: 19340 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	31	<MDA
2	0		25	
3	0		31	
4	1		28	
5	0		25	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

07159-S-14Y234532-03.0

Date: 11/24/03 Time:1601

11-24-03 15:26 Bag# 4532

19340 lb GR

112403 1526 4532 0019340

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOST 9136 Date: 11-24-03 Time: 1540

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4533 Storage Bin: S1 Gross Weight: 18560 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	25	<MDA
2	0		25	
3	0		24	
4	0		29	
5	0		25	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

07160-S-14Y234533-03.0

Date: 11/24/03 Time:1604

11-24-03 15:40 Bag# 4533

18560 lb GR

112403 1540 4533 0018560

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 9137 Date: 11-24-03 Time: 1552

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4534 Storage Bin: 51 Gross Weight: 18850 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	0		18	
3	0		25	
4	0		21	
5	0		24	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington — Cathy Buffington

Surveyor Name — Surveyor Signature

Supervisor Approval

07161-S-14Y234534-03.0

Date: 11/24/03 Time:1608

11-24-03 15:52 Bag# 4534

18850 lb GR

112403 1552 4534 0018850

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9141 Date: 11-25-03 Time: 0841

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4539 Storage Bin: 52 Gross Weight: 21180 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	36	<MDA
2	0		33	
3	0		32	
4	0		27	
5	1		31	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07167-S-14X234539-03.0
Date: 11/25/03 Time:0857

11-25-03 8:41 Bag# 4539
21180 lb GR
112503 0841 4539 0021180

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 11

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MWCX-100051

CONTACT: Jean Agostinelli

SHIPPER I.D. NUMBER: 0840-01-503

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/05/2003

CONTACT: Dispatch

TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Cemato

DATE: 12/5/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-503

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/5/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9551E+00	7.9867E-02	NA	21800 LBS; 172 FT3	4432
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5189E+00	9.5104E-02	NA	13790 LBS; 109 FT3	4464
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4420E+00	2.0114E-01	NA	16820 LBS; 133 FT3	4468
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6818E+00	9.9508E-02	NA	19510 LBS; 154 FT3	4526
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3305E+00	9.0013E-02	NA	19670 LBS; 155 FT3	4528
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5574E+00	1.5020E-01	NA	19020 LBS; 150 FT3	4529

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-503

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1620E+00	1.3951E-01	NA	20360 LBS; 161 FT3	4531
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3356E+01	3.6097E-01	NA	19340 LBS; 153 FT3	4532
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9908E+00	1.8894E-01	NA	18560 LBS; 147 FT3	4533
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0617E+00	1.3680E-01	NA	18850 LBS; 149 FT3	4534
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5969E+00	1.2424E-01	NA	21180 LBS; 167 FT3	4539

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
11	m3	46.7227	kg	94356.2910	NP	NP	NP	NP
	ft3	1650.0000	ton	104.0100				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.1620E+01	NP	NP	NP	NP	(kg)	2.9396E+00
mCi	1.6654E+00	NP	NP	NP	NP	(tons)	3.2404E-03

2. MANIFEST NUMBER 0840-01-503

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-503

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4432/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9888.3143	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [8.4572E-09 kg]	1.80106E-02	(6.5712E-03)	(1.7760E-04)	AU
		172.0000	10.9000	0.0150	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [6.4582E-03 kg]	7.20426E-02	(2.6285E-02)	(7.1040E-04)	
												U-nat [1.1124E-01 kg]	8.00934E+00	2.9222E+00	7.8979E-02	
												Subtotal		2.9222E+00	7.8979E-02	
												Total Source [1.1770E-01 kg]		2.9222E+00	7.8979E-02	
4464/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.0865	6255.0392	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.0865	100	OXIDES/NONE	0.00	Th-230 [8.9518E-08 kg]	3.02021E-01	6.9556E-02	1.8799E-03	AU
		109.0000	6.8950	0.0100	<2.2000E+02	<2.2000E+03		109.0000				Th-232 [6.8359E-02 kg]	1.20809E+00	2.7822E-01	7.5195E-03	
												U-nat [1.2071E-01 kg]	1.37694E+01	3.1711E+00	8.5705E-02	
												Subtotal		3.5189E+00	9.5104E-02	
												Total Source [1.8907E-01 kg]		3.5189E+00	9.5104E-02	
4468/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.7661	7629.4242	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.7661	100	OXIDES/NONE	0.00	Th-230 [7.0918E-08 kg]	1.95957E-01	5.5104E-02	1.4893E-03	AU
		133.0000	8.4100	0.0150	<2.2000E+02	<2.2000E+03		133.0000				Th-232 [5.4155E-02 kg]	7.83830E-01	2.2041E-01	5.9571E-03	
												U-nat [2.7281E-01 kg]	2.54860E+01	7.1665E+00	1.9369E-01	
												Subtotal		7.4420E+00	2.0114E-01	
												Total Source [3.2696E-01 kg]		7.4420E+00	2.0114E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-503

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4526/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8849.5877	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [8.9538E-08 kg]	2.13156E-01	6.9571E-02	1.8803E-03	AU
												Th-232 [6.8374E-02 kg]	8.52624E-01	2.7828E-01	7.5212E-03	
		154.0000	9.7550	0.0200	<2.2000E+02	<2.2000E+03		154.0000				U-nat [1.2691E-01 kg]	1.02147E+01	3.3339E+00	9.0106E-02	
												Subtotal		3.6818E+00	9.9508E-02	
												Total Source [1.9528E-01 kg]		3.6818E+00	9.9508E-02	
4528/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8922.1625	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [9.4976E-08 kg]	2.24255E-01	7.3797E-02	1.9945E-03	AU
												Th-232 [7.2527E-02 kg]	8.97021E-01	2.9519E-01	7.9780E-03	
		155.0000	9.8350	0.0200	<2.2000E+02	<2.2000E+03		155.0000				U-nat [1.1273E-01 kg]	8.99946E+00	2.9615E+00	8.0040E-02	
												Subtotal		3.3305E+00	9.0013E-02	
												Total Source [1.8526E-01 kg]		3.3305E+00	9.0013E-02	
4529/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8627.3274	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [8.1515E-08 kg]	1.99078E-01	6.3337E-02	1.7118E-03	AU
												Th-232 [6.2248E-02 kg]	7.96312E-01	2.5335E-01	6.8473E-03	
		150.0000	9.5100	0.0200	<2.2000E+02	<2.2000E+03		150.0000				U-nat [1.9949E-01 kg]	1.64720E+01	5.2407E+00	1.4164E-01	
												Subtotal		5.5574E+00	1.5020E-01	
												Total Source [2.6174E-01 kg]		5.5574E+00	1.5020E-01	
4531/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9235.1413	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [1.0107E-07 kg]	2.30532E-01	7.8533E-02	2.1225E-03	AU
												Th-232 [7.7183E-02 kg]	9.22128E-01	3.1413E-01	8.4901E-03	
		161.0000	10.1800	0.0200	<2.2000E+02	<2.2000E+03		161.0000				U-nat [1.8155E-01 kg]	1.39997E+01	4.7693E+00	1.2890E-01	
												Subtotal		5.1620E+00	1.3951E-01	
												Total Source [2.5873E-01 kg]		5.1620E+00	1.3951E-01	
4532/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8772.4770	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [1.1188E-07 kg]	2.68688E-01	8.6928E-02	2.3494E-03	AU
												Th-232 [8.5433E-02 kg]	1.07475E+00	3.4771E-01	9.3977E-03	
		153.0000	9.6700	0.0200	<2.2000E+02	<2.2000E+03		153.0000				U-nat [4.9185E-01 kg]	3.99376E+01	1.2921E+01	3.4922E-01	
												Subtotal		1.3356E+01	3.6097E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-503

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.7729E-01 kg]		1.3356E+01	3.6097E-01	
4533/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1626	8418.6749	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1626	100	OXIDES/NONE	0.00	Th-230 [8.2752E-08 kg]	2.07128E-01	6.4299E-02	1.7378E-03	AU
												Th-232 [6.3192E-02 kg]	8.28511E-01	2.5719E-01	6.9511E-03	
		147.0000	9.2800	0.0200	<2.2000E+02	<2.2000E+03		147.0000				U-nat [2.5387E-01 kg]	2.14835E+01	6.6693E+00	1.8025E-01	
												Subtotal		6.9908E+00	1.8894E-01	
												Total Source [3.1706E-01 kg]		6.9908E+00	1.8894E-01	
4534/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2192	8550.2167	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [1.1021E-07 kg]	2.71596E-01	8.5633E-02	2.3144E-03	AU
												Th-232 [8.4161E-02 kg]	1.08638E+00	3.4253E-01	9.2577E-03	
		149.0000	9.4250	0.0200	<2.2000E+02	<2.2000E+03		149.0000				U-nat [1.7639E-01 kg]	1.46960E+01	4.6335E+00	1.2523E-01	
												Subtotal		5.0617E+00	1.3680E-01	
												Total Source [2.6055E-01 kg]		5.0617E+00	1.3680E-01	
4539/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9607.0870	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.2181E-07 kg]	2.67021E-01	9.4642E-02	2.5579E-03	AU
												Th-232 [9.3015E-02 kg]	1.06809E+00	3.7858E-01	1.0232E-02	
		167.0000	10.5900	0.0100	<2.2000E+02	<2.2000E+03		167.0000				U-nat [1.5698E-01 kg]	1.16347E+01	4.1237E+00	1.1145E-01	
												Subtotal		4.5969E+00	1.2424E-01	
												Total Source [2.4999E-01 kg]		4.5969E+00	1.2424E-01	
Shipment Totals		46.7227	94755.4522									Source [2.9396E+00 kg]		6.1620E+01	1.6654E+00	
		1650.0000	104.4500													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-503
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-503
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.4797E-01	2.0215E-02
Th-232	2.9919E+00	8.0862E-02
U-nat	5.7913E+01	1.5652E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 11

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-503
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100051

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/05/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/5/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-503

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
LC6172

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] — TITLE: Broker GTEOSI — DATE: 12/5/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9551E+00	7.9867E-02	NA	21800 LBS; 172 FT3	4432
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5189E+00	9.5104E-02	NA	13790 LBS; 109 FT3	4464
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4420E+00	2.0114E-01	NA	16820 LBS; 133 FT3	4468
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.6818E+00	9.9508E-02	NA	19510 LBS; 154 FT3	4526
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3305E+00	9.0013E-02	NA	19670 LBS; 155 FT3	4528
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5574E+00	1.5020E-01	NA	19020 LBS; 150 FT3	4529

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0640-01-503	LIRR	MNCX 100051

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dwight G Stovall

Shipment Date 12/5/03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100051

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4529	19020
		4528	19670
		Total:	38690
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/5/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100051

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4534	18850
		4526	18430
		Total:	37280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100051

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4432	21800
		4532	19340
		Total:	41140
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100051

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4533	18560
		4539	21180
		Total:	39740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/5/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100051

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4531	20360
		4468	16820
		Total:	37180
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100051

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4464	13790
			0
		Total:	13790
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209400	19020	19670	18850	18430	21800	19340	18560	21180	20360	16820	13790
	0840-01-503	Bag #	4529	4528	4534	4526	4432	4532	4533	4539	4531	4468	4464
	Storage Loc.												
100051	12/5/2003	209400	190380	170710	151860	133430	111630	92290	73730	52550	32190	15370	1580

Daily Shipping checklist for Trucks and Packages

Date: 12/5/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4432		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4464		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4468		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4526		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4528		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4529		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4531		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4532		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4533		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4534		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
11	4539		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9072 Date: 11-17-03 Time: 1448

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4469 Storage Bin: 33 Gross Weight: 16630 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	23	<MDA
2	0		25	
3	1		31	
4	0		34	
5	0		36	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07017-S-14X244469-02.0
Date: 11/17/03 Time:1502

11-17-03 14:48 Bag# 4469
16630 lb GR
111703 1448 4469 0016630

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9081 Date: 11-18-03 Time: 1425

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4480 Storage Bin: 37 Gross Weight: 19670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	37	<MDA
2	~~0~~		21	
3	~~0~~		36	
4	~~0~~		30	
5	~~0~~		26	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07034-S-14X204480-02.0

Date: 11/18/03 Time:1428

11-18-03 14:25 Bag# 4480

19670 lb GR

111803 1425 4480 0019670

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9090 Date: 11-21-03 Time: 0940

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4487 Storage Bin: 40 Gross Weight: 20170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	40	<MDA
2	1		26	
3	~~0~~		17	
4	~~0~~		33	
5	1		18	
6	~~0~~		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE
Surveyor Name

Surveyor Signature

Supervisor Approval

07050-S-14X204487-04.0
Date: 11/21/03 Time:0959

11-21-03 9:40 Bag# 4487
20170 lb GR
112103 0940 4487 0020170

Shipment Survey

Survey Number: GTEOSI 9091 Date: 11-21-03 Time: 0950

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4488 Storage Bin: 40 Gross Weight: 19330 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	20	<MDA
2	0		27	
3	3		32	
4	0		28	
5	0		23	
6	0		39	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07051-S-14Y204488-02.0
Date: 11/21/03 Time:1003

11-21-03 9:50 Bag# 4488
19330 lb GR
112103 0950 4488 0019330

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9114 Date: 11-22-03 Time: 1027

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4512 Storage Bin: 46 Gross Weight: 16330 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	31	<MDA
2	2		22	
3	3		41	
4	2		36	
5	~~0~~		24	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

S. D. [illegible]
Supervisor Approval

07081-S-14X224512-04.0
Date: 11/22/03 Time:1041

11-22-03 10:27 Bag# 4512
16330 lb GR
112203 1027 4512 0016330

Shipment Survey

Survey Number: GTEOSI 9117 Date: 11-22-03 Time: 1117

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4514 Storage Bin: 46 Gross Weight: 17510 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	4	<MDA	41	<MDA
2	3		22	
3	~~0~~		32	
4	1		35	
5	1		17	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07084-S-14X224514-04.0
Date: 11/22/03 Time:1118

11-22-03 11:17 Bag# 4514
17510 lb GR
112203 1117 4514 0017510

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9138 Date: 11-24-03 Time: 1606

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4535 Storage Bin: 52 Gross Weight: 19250 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	20	<MDA
2	1		22	
3	0		32	
4	0		24	
5	0		22	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington Cathy Buffington

Surveyor Name Surveyor Signature

Supervisor Approval

07162-S-14Y234535-03.0

Date: 11/24/03 Time:1611

11-24-03 16:06 Bag# 4535

19250 lb GR

112403 1606 4535 0019250

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9139 Date: 11·25·03 Time: 0823

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4537 Storage Bin: 52 Gross Weight: 17770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	28	LMDA
2	0		34	
3	1		37	
4	0		27	
5	0		39	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

JThompson

Surveyor Name Surveyor Signature

Supervisor Approval

07163-S-14X234537-02.0

Date: 11/25/03 Time:0837

11-25-03 8:15 Bag# 4537

17770 lb GR

112503 0815 4537 0017770

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9140 Date: 11.25.03 Time: 0830

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4538 Storage Bin: 52 Gross Weight: 19990 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .05 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	22	LMDA
2	1		26	
3	0		32	
4	1		15	
5	0		26	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

J Thompson

Surveyor Name Surveyor Signature

Supervisor Approval

07154-S-14X234538-03.0
Date: 11/25/03 Time:0842

11-25-03 8:28 Bag# 4538
19990 lb GR
112503 0828 4538 0019990

Shipment Survey

Survey Number: GTEOSI 9153 Date: 12-2-03 Time: 1317

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4550 Storage Bin: 55 Gross Weight: 21130 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	30	<MDA
2	4		38	
3	~~0~~		25	
4	~~0~~		23	
5	~~0~~		24	
6	~~0~~		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA Le Page Debra Le Page

Surveyor Name Surveyor Signature

Supervisor Approval

07237-S-11M214550-12.0

Date: 12/02/03 Time:1327

12-02-03 13:17 Bag# 4550

21130 lb GR

120203 1317 4550 0021130

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-504
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5243
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/05/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – *Authorized carrier acknowledging waste receipt*: George Cruciato
DATE: 12/5/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-504

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/5/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.6262E+00	1.7909E-01	NA	16630 LBS; 131 FT3	4469
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6009E+00	1.5138E-01	NA	19670 LBS; 155 FT3	4480
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2303E+01	3.3252E-01	NA	20170 LBS; 159 FT3	4487
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6107E+00	1.2461E-01	NA	19330 LBS; 153 FT3	4488
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2645E+00	1.1526E-01	NA	16330 LBS; 129 FT3	4512
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7319E+00	7.3835E-02	NA	17510 LBS; 138 FT3	4514

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-504

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8343E+00	1.0363E-01	NA	19250 LBS; 152 FT3	4535
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.7493E+00	2.3647E-01	NA	17770 LBS; 140 FT3	4537
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4944E+01	4.0389E-01	NA	19990 LBS; 158 FT3	4538
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1575E+00	1.6642E-01	NA	21130 LBS; 167 FT3	4550

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 41.9657 ft3 1482.0000	kg 84812.7069 ton 93.4900	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	6.7265E+01	NP	NP	NP	NP	(kg)	3.2885E+00
mCi	1.8180E+00	NP	NP	NP	NP	(tons)	3.6249E-03

2. MANIFEST NUMBER 0840-01-504

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-504

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4469/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.7095	7543.2416	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.7095	100	OXIDES/NONE	0.00	Th-230 [1.1415E-07 kg]	3.19043E-01	8.8696E-02	2.3972E-03	AU
		131.0000	8.3150	0.0150	<2.2000E+02	<2.2000E+03		131.0000				Th-232 [8.7171E-02 kg]	1.27617E+00	3.5479E-01	9.5888E-03	
												U-nat [2.3536E-01 kg]	2.22399E+01	6.1827E+00	1.6710E-01	
												Subtotal		6.6262E+00	1.7909E-01	
												Total Source [3.2253E-01 kg]		6.6262E+00	1.7909E-01	
4480/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8922.1625	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [1.0644E-07 kg]	2.51312E-01	8.2699E-02	2.2351E-03	AU
		155.0000	9.8350	0.0100	<2.2000E+02	<2.2000E+03		155.0000				Th-232 [8.1278E-02 kg]	1.00525E+00	3.3080E-01	8.9405E-03	
												U-nat [1.9746E-01 kg]	1.57632E+01	5.1874E+00	1.4020E-01	
												Subtotal		5.6009E+00	1.5138E-01	
												Total Source [2.7874E-01 kg]		5.6009E+00	1.5138E-01	
4487/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9148.9587	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [1.6495E-07 kg]	3.79787E-01	1.2817E-01	3.4640E-03	AU
		159.0000	10.0850	0.0150	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [1.2596E-01 kg]	1.51915E+00	5.1267E-01	1.3856E-02	
												U-nat [4.4394E-01 kg]	3.45577E+01	1.1662E+01	3.1520E-01	
												Subtotal		1.2303E+01	3.3252E-01	
												Total Source [5.6990E-01 kg]		1.2303E+01	3.3252E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-504

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/g	MBq	mCi	
	Strong Tight [illegible] Loaded in Gondola	4.3325	[illegible]	0.0002	<3.6740E-06	<3.6740E-05	-MISC DEBRIS-HJ	4.3325	[illegible]	[illegible]	[illegible]	Th-230 [1.2774E-07 kg]	3.06950E-01	9.9256E-02	2.6826E-03	AU
												Th-232 [9.7549E-02 kg]	1.22780E+00	3.9701E-01	1.0730E-02	
		153.0000	9.6650	0.0150	<2.2000E+02	<2.2000E+03		153.0000				U-nat [1.5661E-01 kg]	1.27233E+01	4.1144E+00	1.1120E-01	
												Subtotal		4.6107E+00	1.2461E-01	
												Total Source [2.5416E-01 kg]		4.6107E+00	1.2461E-01	
4512/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.6529	7407.1639	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.6529	100	OXIDES/NONE	0.00	Th-230 [6.5964E-08 kg]	1.87766E-01	5.1252E-02	1.3852E-03	AU
												Th-232 [5.0373E-02 kg]	7.51064E-01	2.0502E-01	5.5410E-03	
		129.0000	8.1650	0.0150	<2.2000E+02	<2.2000E+03		129.0000				U-nat [1.5258E-01 kg]	1.46839E+01	4.0082E+00	1.0833E-01	
												Subtotal		4.2645E+00	1.1526E-01	
												Total Source [2.0295E-01 kg]		4.2645E+00	1.1526E-01	
4514/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.9077	7942.4029	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9077	100	OXIDES/NONE	0.00	Th-230 [5.8982E-08 kg]	1.56525E-01	4.5828E-02	1.2386E-03	AU
												Th-232 [4.5041E-02 kg]	6.26099E-01	1.8332E-01	4.9545E-03	
		138.0000	8.7550	0.0150	<2.2000E+02	<2.2000E+03		138.0000				U-nat [9.5270E-02 kg]	8.54794E+00	(2.5028E+00)	(6.7642E-02)	
												Subtotal		2.2915E-01	6.1931E-03	
												Total Source [1.4031E-01 kg]		2.2915E-01	6.1931E-03	
4535/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8731.6537	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [1.4009E-08 kg]	3.38014E-02	(1.0885E-02)	(2.9418E-04)	AU
												Th-232 [1.0697E-02 kg]	1.35206E-01	(4.3538E-02)	(1.1767E-03)	
		152.0000	9.6250	0.0200	<2.2000E+02	<2.2000E+03		152.0000				U-nat [1.4389E-01 kg]	1.17385E+01	3.7799E+00	1.0216E-01	
												Subtotal		3.7799E+00	1.0216E-01	
												Total Source [1.5459E-01 kg]		3.7799E+00	1.0216E-01	
4537/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.9644	8060.3369	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9644	100	OXIDES/NONE	0.00	Th-230 [1.7129E-07 kg]	4.47872E-01	1.3309E-01	3.5970E-03	AU
												Th-232 [1.3080E-01 kg]	1.79149E+00	5.3236E-01	1.4388E-02	
		140.0000	8.8850	0.0200	<2.2000E+02	<2.2000E+03		140.0000				U-nat [3.0772E-01 kg]	2.72042E+01	8.0838E+00	2.1848E-01	
												Subtotal		8.7493E+00	2.3647E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-504

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 2)	7. VOLUME (m3)	8. WASTE AND CONTAINER WEIGHT (kg)	9. SURFACE RADIATION (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (dpm/100cm2)		11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 2A)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				
												Source [4.3852E-01 kg]				
4538/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4741	9067.3121	0.0005	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4741	100	OXIDES/NONE	0.00	Th-230 [1.1837E-07 kg]	2.75000E-01	9.1975E-02	2.4858E-03	AU
												Th-232 [9.0391E-02 kg]	1.10000E+00	3.6789E-01	9.9431E-03	
		158.0000	9.9950	0.0500	<2.2000E+02	<2.2000E+03		158.0000				U-nat [5.5135E-01 kg]	4.33071E+01	1.4484E+01	3.9146E-01	
												Subtotal		1.4944E+01	4.0389E-01	
												Total Source [6.4174E-01 kg]		1.4944E+01	4.0389E-01	
4550/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9584.4074	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [8.2270E-08 kg]	1.80780E-01	6.3925E-02	1.7277E-03	AU
												Th-232 [6.2824E-02 kg]	7.23121E-01	2.5570E-01	6.9107E-03	
		167.0000	10.5650	0.0300	<2.2000E+02	<2.2000E+03		167.0000				U-nat [2.2222E-01 kg]	1.65097E+01	5.8379E+00	1.5778E-01	
												Subtotal		6.1575E+00	1.6642E-01	
												Total Source [2.8505E-01 kg]		6.1575E+00	1.6642E-01	
Shipment Totals		41.9657	85175.5808									Source [3.2885E+00 kg]		6.7265E+01	1.8180E+00	
		1482.0000	93.8900													

FORM 541A (04-03)

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Manifest Number

0840-01-504

PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-504
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.[illegible]7E-01	2.1507E-02
Th-232	3.[illegible]E+00	8.6029E-02
U-nat	6.[illegible]3E+01	1.7795E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1556.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-504
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5243

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/05/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/5/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-504

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66176

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12/18/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Order GTEOSI DATE: 12/5/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.6262E+00	1.7909E-01	NA	16630 LBS; 131 FT3	4469
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6009E+00	1.5138E-01	NA	19670 LBS; 155 FT3	4480
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2303E+01	3.3252E-01	NA	20170 LBS; 159 FT3	4487
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6107E+00	1.2461E-01	NA	19330 LBS; 153 FT3	4488
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2645E+00	1.1526E-01	NA	16330 LBS; 129 FT3	4512
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7319E+00	7.3835E-02	NA	17510 LBS; 138 FT3	4514

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
X No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-504	LI RR	MHFX 5243

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☐	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☑	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [illegible]

Shipment Date 12/5/03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/5/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5243

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4535	19250
		4537	19990
		Total:	39240
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/5/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5243

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4538	17770
		4550	21130
		Total:	38900
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5243

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4487	20170
		4488	19330
		Total:	39500
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5243

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4512	16330
		4514	17510
		Total:	33840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/5/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5243

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4469	16630
		4480	19670
		Total:	36300
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/5/2003
Transporter	Signature		Date
Priority Transport			12/5/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/5/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1			
2			

Gondola has been inspected for proper marking and labeling. Int.

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4469		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4480		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4487		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4488		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4512		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4514		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4535		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4537		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4538		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4550		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	199400	19250	19990	17770	21130	20170	19330	16330	17510	16630	19670
	0840-01-504	Bag #	4535	4537	4538	4550	4487	4488	4512	4514	4469	4480
	Storage Loc.											
5243	12/5/2003	199400	180150	160160	142390	121260	101090	81760	65430	47920	31290	11620

Shipment Survey

Survey Number: GTEOSI 9144 Date: 12-2-03 Time: 0812

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4540 Storage Bin: 53 Gross Weight: 19660 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	2		37	
3	1		36	
4	0		30	
5	1		44	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07225-S-11N214540-05.0

Date: 12/02/03 Time:0837

12-02-03 8:12 Bag# 4540

19660 lb GR

120203 0812 4540 0019660

Shipment Survey

Survey Number: GTEOSI 9146 Date: 12-2-03 Time: 0840

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4543 Storage Bin: 54 Gross Weight: 21340 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	30	<MDA
2	1		26	
3	2		25	
4	0		25	
5	1		33	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07227-S-11N214543-05.0

Date: 12/02/03 Time:0845

12-02-03 8:40 Bag# 4543

21340 lb GR

120203 0840 4543 0021340

Shipment Survey

Survey Number: GTEOSI 9158 Date: 12-2-03 Time: 1606

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4556 Storage Bin: 57 Gross Weight: 20300 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	28	<MDA
2	1		23	
3	~~0~~		33	
4	1		38	
5	~~0~~		24	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE PAGE Debra Le Page

Surveyor Name Surveyor Signature

Supervisor Approval

07247-S-11M214556-12.0

Date: 12/02/03 Time:1636

12-02-03 16:06 Bag# 4556

20300 lb GR

120203 1606 4556 0020300

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9162 Date: 12-3-03 Time: 1114

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4561 Storage Bin: 58 Gross Weight: 19090 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	26	<MDA
2	~~0~~		23	
3	1		23	
4	2		27	
5	~~0~~		28	
6	2		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07259-S-11M214561-12.0

Date: 12/03/03 Time:1207

12-03-03 11:14 Bag# 4561

19090 lb GR

120303 1114 4561 0019090

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9169 Date: 12-3-03 Time: 1312

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4567 Storage Bin: 58 Gross Weight: 19810 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	33	<MDA
2	Ø		29	
3	Ø		26	
4	Ø		37	
5	Ø		23	
6	Ø		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page
Surveyor Name — Surveyor Signature

Jeffrey Hoff
Supervisor Approval

07264-S-050044567-01.0
Date: 12/03/03 Time:1319

12-03-03 13:12 Bag# 4567
19810 lb GR
120303 1312 4567 0019810

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9170 Date: 12-2-03 Time: 1315

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4569 Storage Bin: 60 Gross Weight: 17410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	21	<MDA
2	~~0~~		27	
3	~~0~~		27	
4	~~0~~		24	
5	~~0~~		26	
6	~~0~~		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage
Surveyor Name Surveyor Signature

Supervisor Approval

07266-S-05Q044569-01.0
Date: 12/03/03 Time:1329

12-03-03 13:15 Bag# 4569
17410 lb GR
120303 1315 4569 0017410

Shipment Survey

Survey Number: GTEOSI 9175 Date: 12-3-03 Time: 1422

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4571 Storage Bin: C01 Gross Weight: 20200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		27	
3	2		28	
4	0		35	
5	0		22	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07270-S-050044571-01.0

Date: 12/03/03 Time:1351

12-03-03 14:22 Bag# 4571

20200 lb GR

120303 1422 4571 0020200

Shipment Survey

Survey Number: GTEOSI 9178 Date: 12-3-03 Time: 1435

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4573 Storage Bin: 62 Gross Weight: 21320 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	29	<MDA
2	~~0~~		17	
3	~~0~~		23	
4	~~0~~		11	
5	1		34	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07272-S-11M214573-14.0

Date: 12/03/03 Time:1400

12-03-03 14:35 Bag# 4573

21320 lb GR

120303 1435 4573 0021320

Shipment Survey

Survey Number: GTEOSI 9188 Date: 12-3-03 Time: 1549

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4582 Storage Bin: C01 Gross Weight: 22640 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	23	<MDA
2	~~0~~		29	
3	~~0~~		20	
4	2		28	
5	~~0~~		30	
6	~~0~~		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Robert Hoff
Supervisor Approval

07284-S-11M214582-14.0
Date: 12/03/03 Time:1531

12-03-03 15:49 Bag# 4582
22640 lb GR
120303 1549 4582 0022640

Shipment Survey

Survey Number: GTEOSI 9183 Date: 12-3-03 Time: 1514

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4586 Storage Bin: 63 Gross Weight: 20480 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	33	<MDA
2	1		28	
3	1		23	
4	1		27	
5	1		23	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage — Debra LeFage

Surveyor Name — Surveyor Signature

Robert Hoff

Supervisor Approval

07278-S-050044586-01.0

Date: 12/03/03 Time:1459

12-03-03 15:14 Bag# 4586

20480 lb GR

120303 1514 4586 0020480

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-505
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100028
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-505

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5063E+00	1.2179E-01	NA	19660 LBS; 155 FT3	4540
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3752E+00	1.4528E-01	NA	21340 LBS; 169 FT3	4543
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.1460E+01	5.8000E-01	NA	20300 LBS; 160 FT3	4556
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0411E+01	5.5164E-01	NA	19090 LBS; 151 FT3	4561
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.7567E+01	4.7478E-01	NA	19810 LBS; 157 FT3	4567
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8615E+01	5.0313E-01	NA	17410 LBS; 138 FT3	4569

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-505

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9431E+01	7.9546E-01	NA	20200 LBS; 160 FT3	4571
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9566E+01	1.0694E+00	NA	21320 LBS; 169 FT3	4573
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1370E+01	3.0730E-01	NA	22640 LBS; 179 FT3	4582
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0117E+00	1.8950E-01	NA	20480 LBS; 162 FT3	4586

FORM 540A (04-03)

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 45.3067 ft3 1600.0000	kg 91376.1890 ton 100.7250	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.7531E+02	NP	NP	NP	NP	(kg)	7.4737E+00
mCi	4.7382E+00	NP	NP	NP	NP	(tons)	8.2384E-03

2. MANIFEST NUMBER 0840-01-505

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-505

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4540/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3891	8917.6266	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3891	100	OXIDES/NONE	0.00	Th-230 [1.3724E-07 kg]	3.24220E-01	1.0664E-01	2.8821E-03	AU
		155.0000	9.8300	0.0100	<2.2000E+02	<2.2000E+03		155.0000				Th-232 [1.0480E-01 kg]	1.29688E+00	4.2654E-01	1.1528E-02	
												U-nat [1.5124E-01 kg]	1.20798E+01	3.9731E+00	1.0738E-01	
												Subtotal		4.5063E+00	1.2179E-01	
												Total Source [2.5604E-01 kg]		4.5063E+00	1.2179E-01	
4543/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9679.6618	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [9.5298E-08 kg]	2.07340E-01	7.4048E-02	2.0013E-03	AU
		169.0000	10.6700	0.0100	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [7.2773E-02 kg]	8.29362E-01	2.9619E-01	8.0050E-03	
												U-nat [1.9053E-01 kg]	1.40149E+01	5.0050E+00	1.3527E-01	
												Subtotal		5.3752E+00	1.4528E-01	
												Total Source [2.6330E-01 kg]		5.3752E+00	1.4528E-01	
4556/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9207.9257	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.1198E-07 kg]	2.56170E-01	8.7009E-02	2.3516E-03	AU
		160.0000	10.1500	0.0300	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [8.5513E-02 kg]	1.02468E+00	3.4804E-01	9.4065E-03	
												U-nat [8.0033E-01 kg]	6.19002E+01	2.1025E+01	5.6824E-01	
												Subtotal		2.1460E+01	5.8000E-01	
												Total Source [8.8585E-01 kg]		2.1460E+01	5.8000E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-505

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4561/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2758	8659.0789	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2758	100	OXIDES/NONE	0.00	Th-230 [2.0301E-07 kg]	4.93972E-01	1.5774E-01	4.2632E-03	AU
		151.0000	9.5450	0.0200	<2.2000E+02	<2.2000E+03		151.0000				Th-232 [1.5503E-01 kg]	1.97589E+00	6.3096E-01	1.7053E-02	
												U-nat [7.4692E-01 kg]	6.14464E+01	1.9622E+01	5.3032E-01	
												Subtotal		2.0411E+01	5.5164E-01	
												Total Source [9.0195E-01 kg]		2.0411E+01	5.5164E-01	
4567/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4457	8985.6654	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4457	100	OXIDES/NONE	0.00	Th-230 [8.6700E-08 kg]	2.03262E-01	6.7366E-02	1.8207E-03	AU
		157.0000	9.9050	0.0200	<2.2000E+02	<2.2000E+03		157.0000				Th-232 [6.6208E-02 kg]	8.13050E-01	2.6946E-01	7.2828E-03	
												U-nat [6.5589E-01 kg]	5.19880E+01	1.7230E+01	4.6568E-01	
												Subtotal		1.7567E+01	4.7478E-01	
												Total Source [7.2209E-01 kg]		1.7567E+01	4.7478E-01	
4569/GTEOSI	19 Strong Tight Container Loaded in Gondola	3.9077	7897.0437	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	3.9077	100	OXIDES/NONE	0.00	Th-230 [8.8390E-08 kg]	2.35922E-01	6.8679E-02	1.8562E-03	AU
		138.0000	8.7050	0.0200	<2.2000E+02	<2.2000E+03		138.0000				Th-232 [6.7498E-02 kg]	9.43688E-01	2.7472E-01	7.4248E-03	
												U-nat [6.9556E-01 kg]	6.27681E+01	1.8272E+01	4.9385E-01	
												Subtotal		1.8615E+01	5.0313E-01	
												Total Source [7.6306E-01 kg]		1.8615E+01	5.0313E-01	
4571/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9162.5665	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.2443E-07 kg]	2.86064E-01	9.6681E-02	2.6130E-03	AU
		160.0000	10.1000	0.0150	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [9.5020E-02 kg]	1.14426E+00	3.8672E-01	1.0452E-02	
												U-nat [1.1020E+00 kg]	8.56523E+01	2.8948E+01	7.8239E-01	
												Subtotal		2.9431E+01	7.9546E-01	
												Total Source [1.1970E+00 kg]		2.9431E+01	7.9546E-01	
4573/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9670.5900	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [2.6819E-07 kg]	5.84043E-01	2.0838E-01	5.6319E-03	AU
		169.0000	10.6600	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [2.0480E-01 kg]	2.33617E+00	8.3354E-01	2.2528E-02	
												U-nat [1.4664E+00 kg]	1.07971E+02	3.8524E+01	1.0412E+00	
												Subtotal		3.9566E+01	1.0694E+00	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-505

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [1.6712E+00 kg]		3.9566E+01	1.0694E+00	
4582/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0687	10269.3319	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0687	100	OXIDES/NONE	0.00	Th-230 [9.0817E-08 kg]	1.86206E-01	7.0566E-02	1.9072E-03	AU
		179.0000	11.3200	0.0200	<2.2000E+02	<2.2000E+03		179.0000				Th-232 [6.9351E-02 kg]	7.44823E-01	2.8226E-01	7.6287E-03	
												U-nat [4.1938E-01 kg]	2.90720E+01	1.1017E+01	2.9776E-01	
												Subtotal		1.1370E+01	3.0730E-01	
												Total Source [4.8874E-01 kg]		1.1370E+01	3.0730E-01	
4586/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9289.5724	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [9.3554E-08 kg]	2.12128E-01	7.2690E-02	1.9646E-03	AU
		162.0000	10.2400	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [7.1442E-02 kg]	8.48511E-01	2.9077E-01	7.8586E-03	
												U-nat [2.5307E-01 kg]	1.94003E+01	6.6482E+00	1.7968E-01	
												Subtotal		7.0117E+00	1.8950E-01	
												Total Source [3.2451E-01 kg]		7.0117E+00	1.8950E-01	
Shipment Totals		45.3067	91739.0629									Source [7.4737E+00 kg]		1.7531E+02	4.7382E+00	
		1600.0000	101.1250													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-505
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-505
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.0098E+00	2.7292E-02
Th-232	4.0392E+00	1.0917E-01
U-nat	1.7026E+02	4.6017E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-505
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100028

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-505

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L 66368

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5063E+00	1.2179E-01	NA	19660 LBS; 155 FT3	4540
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3752E+00	1.4528E-01	NA	21340 LBS; 169 FT3	4543
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.1460E+01	5.8000E-01	NA	20300 LBS; 160 FT3	4556
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0411E+01	5.5164E-01	NA	19090 LBS; 151 FT3	4561
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.7567E+01	4.7478E-01	NA	19810 LBS; 157 FT3	4567
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8615E+01	5.0313E-01	NA	17410 LBS; 138 FT3	4569

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01-305, 0840-04-004

uck Number- 36,38

ailer Number- 225,226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the rresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-6-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100028

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4582	22640
		4573	21320
		Total:	43960
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100028

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4556	20300
		4569	17410
		Total:	37710
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport	Amato		12/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100028

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4543	21340
		4540	19660
		Total:	41000
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/6/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100028

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4571	20200
		4586	20480
		Total:	40680
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport	Amato		12/6/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/6/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100028

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4567	19810
		4561	19090
		Total:	38900
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/6/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		MS	
2		MS	

Gondola has been inspected for proper marking and labeling. Int. MS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4540		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4543		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4556		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4561		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4567		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4569		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4571		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4573		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4582		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4586		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209300	19810	19090	20200	20480	21340	19660	20300	17410	22640	21320
	0840-01-505	Bag #	4567	4561	4571	4586	4543	4540	4556	4569	4582	4573
	Storage Loc.											
100028	12/6/2003	209300	189490	170400	150200	129720	108380	88720	68420	51010	28370	7050

Shipment Survey

Survey Number: GTEOSI 9099 Date: 11-21-03 Time: 1421

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4496 Storage Bin: 42 Gross Weight: 20720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	29	<MDA
2	0		30	
3	0		21	
4	0		31	
5	2		30	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07062-G-14Y214496-02.0
Date: 11/21/03 Time:1341

11-21-03 14:21 Bag# 4496
20720 lb GR
112103 1421 4496 0020720

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9127 Date: 11-22-03 Time: 1516

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4524 Storage Bin: 48 Gross Weight: 19140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .015 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	21	<MDA
2	1		26	
3	0		25	
4	1		25	
5	1		32	
6	2		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07098-S-14X234524-02.0
Date: 11/22/03 Time:1523

11-22-03 15:16 Bag# 4524
19140 lb GR
112203 1516 4524 0019140

Shipment Survey

Survey Number: GTEOSI 9142 Date: 12-1-03 Time: 1600

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4536 Storage Bin: 53 Gross Weight: 18790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	35	<MDA
2	0		32	
3	0		23	
4	0		25	
5	0		22	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07222-S-11M214536-05.0

Date: 12/01/03 Time:1617

12-01-03 16:00 Bag# 4536

18790 lb GR

120103 1600 4536 0018790

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9147 Date: 12-2-03 Time: 1014

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4544 Storage Bin: 54 Gross Weight: 19450 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	23	<MDA
2	0		19	
3	1		35	
4	1		33	
5	1		26	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07228-S-11N214544-05.0

Date: 12/02/03 Time:1004

12-02-03 10:14 Bag# 4544

19450 lb GR

120203 1014 4544 0019450

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9152 Date: 12-2-03 Time: 1253

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4548 Storage Bin: 55 Gross Weight: 20390 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	28	<MDA
2	Ø		28	
3			25	
4	Ø		29	
5	Ø		21	
6	Ø		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07235-S-11N214548-12.0

Date: 12/02/03 Time:1321

12-02-03 12:53 Bag# 4548

20390 lb GR

120203 1253 4548 0020390

Shipment Survey

Survey Number: GTEOSI 9151 Date: 12-2-03 Time: 1300

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4549 Storage Bin: 55 Gross Weight: 19540 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	40	<MDA
2	1		30	
3	~~0~~		25	
4	2		21	
5	~~0~~		28	
6	~~0~~		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

07236-B-11N214549-12.0
Date: 12/02/03 Time:1323

12-02-03 13:00 Bag# 4549
19540 lb GR
120203 1300 4549 0019540

Shipment Survey

Survey Number: GTEOSI 9154 Date: 12-2-03 Time: 1435

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4551 Storage Bin: 56 Gross Weight: 20370 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	14	<MDA
2	~~0~~		33	
3	~~0~~		26	
4	~~0~~		29	
5	~~0~~		24	
6	1		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE Page — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07239-S-11M214551-12.0

Date: 12/02/03 Time:1443

12-02-03 14:35 Bag# 4551

20370 lb GR

120203 1435 4551 0020370

Shipment Survey

Survey Number: GTEOSI 9155 Date: 12-2-03 Time: 1442

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4552 Storage Bin: 56 Gross Weight: 21800 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	34	<MDA
2	0		24	
3	0		33	
4	0		24	
5	0		33	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LEPAGE Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07248-S-1IM214552-12.0

Date: 12/02/03 Time:1448

12-02-03 14:42 Bag# 4552

21800 lb GR

120203 1442 4552 0021800

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9160 Date: 12-3-03 Time: 1055

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4559 Storage Bin: 57 Gross Weight: 21580 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	< MDA	30	< MDA
2	~~0~~		31	
3	2		36	
4	~~0~~		30	
5	1		21	
6	~~0~~		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

07256-S-11M214559-12.0
Date: 12/03/03 Time:1155

12-03-03 10:55 Bag# 4559
21580 lb GR
120303 1055 4559 0021580

Shipment Survey

Survey Number: GTEOSI 9194 Date: 12-3-03 Time: 1613

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4585 Storage Bin: 58 Gross Weight: 19380 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	34	<MDA
2	0		21	
3	3		30	
4	1		30	
5	0		25	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07283-S-050044585-02.0

Date: 12/03/03 Time:1526

12-03-03 16:13 Bag# 4585

19380 lb GR

120303 1613 4585 0019380

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER: MHFX-5205

CONTACT: Jean Agostinelli

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

CONTACT: Dispatch

SIGNATURE -- *Authorized carrier acknowledging waste receipt*

SHIPPER I.D. NUMBER: 0840-01-506

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

TELEPHONE NUMBER (Include Area Code): 516-932-9157

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 12/06/2003

TELEPHONE (Include Area Code): 800-235-0069

DATE: 12/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-506

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving

TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*

DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6423E+00	1.2547E-01	NA	20720 LBS; 164 FT3	4496
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2646E+00	1.6931E-01	NA	19140 LBS; 151 FT3	4524
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5208E+00	1.4921E-01	NA	18790 LBS; 148 FT3	4536
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7002E+00	1.2703E-01	NA	19450 LBS; 154 FT3	4544
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5566E+00	1.7721E-01	NA	20390 LBS; 161 FT3	4548
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8678E+00	1.5859E-01	NA	19540 LBS; 154 FT3	4549

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-506

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3794E+00	1.7242E-01	NA	20370 LBS; 161 FT3	4551
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.5803E+00	2.0487E-01	NA	21800 LBS; 172 FT3	4552
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2572E+01	1.4209E+00	NA	21580 LBS; 171 FT3	4559
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3009E+01	1.1624E+00	NA	19380 LBS; 153 FT3	4585

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3	44.9955	kg	90881.7731	NP	NP	NP	NP
	ft3	1589.0000	ton	100.1800				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.3875E+02	NP	NP	NP	NP	(kg)	6.8423E+00
mCi	3.7499E+00	NP	NP	NP	NP	(tons)	7.5423E-03

2. MANIFEST NUMBER 0840-01-506

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-506

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4496/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9398.4345	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [7.6173E-08 kg]	1.70709E-01	5.9185E-02	1.5996E-03	AU
		164.0000	10.3600	0.0150	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [5.8169E-02 kg]	6.82837E-01	2.3675E-01	6.3986E-03	
												U-nat [1.6545E-01 kg]	1.25361E+01	(4.3464E+00)	(1.1747E-01)	
												Subtotal		2.9594E-01	7.9982E-03	
												Total Source [2.2362E-01 kg]		2.9594E-01	7.9982E-03	
4524/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2758	8681.7585	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2758	100	OXIDES/NONE	0.00	Th-230 [8.3946E-08 kg]	2.03723E-01	6.5227E-02	1.7629E-03	AU
		151.0000	9.5700	0.0150	<2.2000E+02	<2.2000E+03		151.0000				Th-232 [6.4104E-02 kg]	8.14894E-01	2.6091E-01	7.0515E-03	
												U-nat [2.2605E-01 kg]	1.85474E+01	5.9385E+00	1.6050E-01	
												Subtotal		6.2646E+00	1.6931E-01	
												Total Source [2.9015E-01 kg]		6.2646E+00	1.6931E-01	
4536/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1909	8523.0012	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1909	100	OXIDES/NONE	0.00	Th-230 [9.9330E-08 kg]	2.45567E-01	7.7178E-02	2.0859E-03	AU
		148.0000	9.3950	0.0100	<2.2000E+02	<2.2000E+03		148.0000				Th-232 [7.5852E-02 kg]	9.82270E-01	3.0872E-01	8.3437E-03	
												U-nat [1.9547E-01 kg]	1.63384E+01	5.1349E+00	1.3878E-01	
												Subtotal		5.5208E+00	1.4921E-01	
												Total Source [2.7132E-01 kg]		5.5208E+00	1.4921E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-506

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4544/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8822.3722	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [9.1058E-08 kg]	2.17447E-01	7.0751E-02	1.9122E-03	AU
		154.0000	9.7250	0.0100	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [6.9535E-02 kg]	8.69787E-01	2.8301E-01	7.6489E-03	
												U-nat [1.6545E-01 kg]	1.33582E+01	4.3464E+00	1.1747E-01	
												Subtotal		4.7002E+00	1.2703E-01	
												Total Source [2.3499E-01 kg]		4.7002E+00	1.2703E-01	
4548/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9248.7490	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [5.2301E-07 kg]	1.19113E+00	4.0637E-01	1.0983E-02	AU
		161.0000	10.1950	0.0300	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [3.9939E-01 kg]	4.76454E+00	1.6255E+00	4.3933E-02	
												U-nat [1.7224E-01 kg]	1.32622E+01	4.5247E+00	1.2229E-01	
												Subtotal		6.5566E+00	1.7721E-01	
												Total Source [5.7162E-01 kg]		6.5566E+00	1.7721E-01	
4549/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8863.1955	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [2.2751E-07 kg]	5.40780E-01	1.7677E-01	4.7777E-03	AU
		154.0000	9.7700	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [1.7374E-01 kg]	2.16312E+00	7.0711E-01	1.9111E-02	
												U-nat [1.8972E-01 kg]	1.52462E+01	4.9839E+00	1.3470E-01	
												Subtotal		5.8678E+00	1.5859E-01	
												Total Source [3.6345E-01 kg]		5.8678E+00	1.5859E-01	
4551/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9239.6772	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [3.9712E-07 kg]	9.05319E-01	3.0856E-01	8.3395E-03	AU
		161.0000	10.1850	0.0300	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [3.0325E-01 kg]	3.62128E+00	1.2342E+00	3.3358E-02	
												U-nat [1.8411E-01 kg]	1.41903E+01	4.8366E+00	1.3072E-01	
												Subtotal		6.3794E+00	1.7242E-01	
												Total Source [4.8736E-01 kg]		6.3794E+00	1.7242E-01	
4552/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9888.3143	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [2.0165E-07 kg]	4.29433E-01	1.5668E-01	4.2346E-03	AU
		172.0000	10.9000	0.0300	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.5399E-01 kg]	1.71773E+00	6.2671E-01	1.6938E-02	
												U-nat [2.5873E-01 kg]	1.86288E+01	6.7969E+00	1.8370E-01	
												Subtotal		7.5803E+00	2.0487E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-506

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [4.1271E-01 kg]		7.5803E+00	2.0487E-01	
4559/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9788.5240	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [2.9290E-07 kg]	6.30142E-01	2.2758E-01	6.1508E-03	AU
		171.0000	10.7900	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [2.2367E-01 kg]	2.52057E+00	9.1031E-01	2.4603E-02	
												U-nat [1.9579E+00 kg]	1.42412E+02	5.1434E+01	1.3901E+00	
												Subtotal		5.2572E+01	1.4209E+00	
												Total Source [2.1815E+00 kg]		5.2572E+01	1.4209E+00	
4585/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3325	8790.6207	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3325	100	OXIDES/NONE	0.00	Th-230 [2.7343E-07 kg]	6.55319E-01	2.1245E-01	5.7420E-03	AU
		153.0000	9.6900	0.0200	<2.2000E+02	<2.2000E+03		153.0000				Th-232 [2.0880E-01 kg]	2.62128E+00	8.4982E-01	2.2968E-02	
												U-nat [1.5967E+00 kg]	1.29380E+02	4.1947E+01	1.1337E+00	
												Subtotal		4.3009E+01	1.1624E+00	
												Total Source [1.8055E+00 kg]		4.3009E+01	1.1624E+00	
Shipment Totals		44.9955	91244.6471									Source [6.8423E+00 kg]		1.3875E+02	3.7499E+00	
		1589.0000	100.5800													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number

0840-01-506

PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-506
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.7608E+00	4.7588E-02
Th-232	7.0431E+00	1.9035E-01
U-nat	1.3429E+02	3.6294E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/8/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-506
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5205

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/06/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/6/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-506

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L6323

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12-22-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/6/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6423E+00	1.2547E-01	NA	20720 LBS; 164 FT3	4496
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2646E+00	1.6931E-01	NA	19140 LBS; 151 FT3	4524
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5208E+00	1.4921E-01	NA	18790 LBS; 148 FT3	4536
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7002E+00	1.2703E-01	NA	19450 LBS; 154 FT3	4544
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.5566E+00	1.7721E-01	NA	20390 LBS; 161 FT3	4548
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8678E+00	1.5859E-01	NA	19540 LBS; 154 FT3	4549

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-506	LI RR	MHFX 5205

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [signature]

Shipment Date 12-8-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5205

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4585	19380
		4544	19450
		Total:	38830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, ~~Th230~~		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5205

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4536	18790
		4548	20390
		Total:	39180
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/6/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5205

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4549	19540
		4551	20370
		Total:	39910
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5205

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4552	21800
		4524	19140
		Total:	40940
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/6/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5205

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4559	21580
		4496	20720
		Total:	42300
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/6/2003
Transporter	Signature		Date
Priority Transport			12/6/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	203200	19380	19450	18790	20390	19540	20370	21800	19140	21580	20720
	0840-01-506	Bag #	4585	4544	4536	4548	4549	4551	4552	4524	4559	4496
	Storage Loc.											
5205	12/6/2003	203200	183820	164370	145580	125190	105650	85280	63480	44340	22760	2040

Daily Shipping checklist for Trucks and Packages

Date: 12/6/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4496		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4524		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4536		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4544		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4548		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4549		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4551		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4552		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4559		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4585		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9174 Date: 12-3-03 Time: 1335

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4570 Storage Bin: 61 Gross Weight: 20920 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	32	<MDA
2	1		18	
3	4		26	
4	~~0~~		40	
5	~~0~~		15	
6	~~0~~		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07269-S-05Q044570-01.0
Date: 12/03/03 Time:1347

12-03-03 13:37 Bag# 4570
20920 lb GR
120303 1337 4570 0020920

Shipment Survey

Survey Number: GTEOSI 9191 Date: 12-3-03 Time: 1600

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4587 Storage Bin: 59 Gross Weight: 22790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	26	<MDA
2	0		31	
3	0		26	
4	0		31	
5	0		21	
6	2		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Surveyor Name

Kyle L Page Surveyor Signature

Robert Hoff Supervisor Approval

07292-S-11M214587-14.0

Date: 12/03/03 Time:1603

12-03-03 16:00 Bag# 4587

22790 lb GR

120303 1600 4587 0022790

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9192 Date: 12-3-03 Time: 1605

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4590 Storage Bin: 59 Gross Weight: 20480 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	23	<MDA
2	~~0~~		25	
3	~~0~~		28	
4	3		34	
5	~~0~~		26	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA Helton — Debra LaPage

Surveyor Name — Surveyor Signature

Supervisor Approval

07294-S-050044590-02.0
Date: 12/03/03 Time:1612

12-03-03 16:05 Bag# 4590
20480 lb GR
120303 1605 4590 0020480

Shipment Survey

Survey Number: GTEOSI 9196 Date: 12-3-03 Time: 1622

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4592 Storage Bin: 32 Gross Weight: 22230 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	21	<MDA
2	0		39	
3	1		25	
4	0		24	
5	2		21	
6	2		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFort Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07295-S-050044592-02.0
Date: 12/03/03 Time:1617

12-03-03 16:22 Bag# 4592
22230 lb GR
120303 1622 4592 0022230

Shipment Survey

Survey Number: GTEOSI 9193 Date: 12-3-03 Time: 1608

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4593 Storage Bin: 58 Gross Weight: 20670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	21	<MDA
2	Ø		15	
3	Ø		32	
4	Ø		27	
5	Ø		34	
6	1		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeBlanc Surveyor Name

Debra L Page Surveyor Signature

Supervisor Approval

07297-S-11M214593-14.0

Date: 12/03/03 Time:1623

12-03-03 16:08 Bag# 4593

20670 lb GR

120303 1608 4593 0020670

Shipment Survey

Survey Number: GTEOSI 9201 Date: 12-4-03 Time: 0933

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4597 Storage Bin: 33 Gross Weight: 21900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	27	<MDA
2	~~0~~		33	
3	~~0~~		25	
4	~~0~~		22	
5	1		18	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07300-S-05Q044597-03.0

Date: 12/04/03 Time:0834

12-04-03 9:33 Bag# 4597

21900 lb GR

120403 0933 4597 0021900

Shipment Survey

Survey Number: GTEOSI 9198 Date: 12-4-03 Time: 0829

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4599 Storage Bin: 32 Gross Weight: 20590 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	29	<MDA
2	0		27	
3	0		24	
4	1		47	
5	2		26	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

07301-S-050044599-03.0
Date: 12/04/03 Time:0837

12-04-03 8:29 Bag# 4599
20590 lb GR
120403 0829 4599 0020590

Shipment Survey

Survey Number: GTEOSI 9601 Date: 12-4-03 Time: 0948

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4604 Storage Bin: 33 Gross Weight: 21450 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	30	<MDA
2	~~0~~		14	
3	~~0~~		39	
4	2		38	
5	~~0~~		25	
6	~~0~~		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage

Surveyor Name

Surveyor Signature

Supervisor Approval

07309-S-050044604-04.0
Date: 12/04/03 Time:0925

12-04-03 9:48 Bag# 4604
21450 lb GR
120403 0948 4604 0021450

Shipment Survey

Survey Number: GTEOSI 9605 Date: 12-4-03 Time: 1011

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4606 Storage Bin: 34 Gross Weight: 22200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	< MDA	31	< MDA
2	Ø		33	
3	Ø		24	
4	Ø		42	
5	Ø		25	
6	Ø		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

07314-S-050044506-06.0
Date: 12/04/03 Time:1013

12-04-03 10:11 Bag# 4606
22200 lb GR
120403 1011 4606 0022200

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-507
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100314

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/9/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-507

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Broker GTEOSI | DATE: 12/9/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.1131E+01	5.7110E-01	NA	20920 LBS; 165 FT3	4570
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.8993E+00	2.6755E-01	NA	22790 LBS; 180 FT3	4587
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5562E+01	6.9086E-01	NA	20480 LBS; 162 FT3	4590
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1382E+01	3.0763E-01	NA	22230 LBS; 176 FT3	4592
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2040E+00	2.4876E-01	NA	20670 LBS; 163 FT3	4593
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7754E+00	1.2907E-01	NA	21900 LBS; 173 FT3	4597

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-507

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.9768E+00	2.6964E-01	NA	20590 LBS; 163 FT3	4599
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1878E+01	3.2103E-01	NA	21450 LBS; 170 FT3	4604
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6519E+01	4.4647E-01	NA	22200 LBS; 176 FT3	4606

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.2681 / ft3 1528.0000	kg 87321.0730 / ton 96.2550	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.2033E+02	NP	NP	NP	NP	(kg)	5.7883E+00
mCi	3.2521E+00	NP	NP	NP	NP	(tons)	6.3806E-03

2. MANIFEST NUMBER 0840-01-507

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-507

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4570/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9489.1530	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [1.0831E-07 kg]	2.40390E-01	8.4153E-02	2.2744E-03	AU
		165.0000	10.4600	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [8.2706E-02 kg]	9.61560E-01	3.3661E-01	9.0977E-03	
												U-nat [7.8835E-01 kg]	5.91593E+01	2.0710E+01	5.5973E-01	
												Subtotal		2.1131E+01	5.7110E-01	
												Total Source [8.7106E-01 kg]		2.1131E+01	5.7110E-01	
4587/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10337.3708	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [6.3077E-07 kg]	1.28475E+00	4.9010E-01	1.3246E-02	AU
		180.0000	11.3950	0.0200	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [4.8168E-01 kg]	5.13901E+00	1.9604E+00	5.2985E-02	
												U-nat [2.8355E-01 kg]	1.95259E+01	7.4488E+00	2.0132E-01	
												Subtotal		9.8993E+00	2.6755E-01	
												Total Source [7.6523E-01 kg]		9.8993E+00	2.6755E-01	
4590/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9289.5724	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [1.2163E-07 kg]	2.75780E-01	9.4505E-02	2.5542E-03	AU
		162.0000	10.2400	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [9.2879E-02 kg]	1.10312E+00	3.7803E-01	1.0217E-02	
												U-nat [9.5506E-01 kg]	7.32156E+01	2.5089E+01	6.7809E-01	
												Subtotal		2.5562E+01	6.9086E-01	
												Total Source [1.0479E+00 kg]		2.5562E+01	6.9086E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-507

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4592/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10083.3591	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [1.4651E-07 kg]	3.05957E-01	1.1384E-01	3.0767E-03	AU
		176.0000	11.1150	0.0200	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [1.1188E-01 kg]	1.22383E+00	4.5536E-01	1.2307E-02	
												U-nat [4.1162E-01 kg]	2.90623E+01	1.0813E+01	2.9225E-01	
												Subtotal		1.1382E+01	3.0763E-01	
												Total Source [5.2351E-01 kg]		1.1382E+01	3.0763E-01	
4593/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9375.7549	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [5.8310E-07 kg]	1.30993E+00	4.5307E-01	1.2245E-02	AU
		163.0000	10.3350	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [4.4527E-01 kg]	5.23972E+00	1.8123E+00	4.8980E-02	
												U-nat [2.6412E-01 kg]	2.00608E+01	6.9386E+00	1.8753E-01	
												Subtotal		9.2040E+00	2.4876E-01	
												Total Source [7.0940E-01 kg]		9.2040E+00	2.4876E-01	
4597/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9933.6736	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [8.9193E-08 kg]	1.89078E-01	6.9305E-02	1.8731E-03	AU
		173.0000	10.9500	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [6.8111E-02 kg]	7.56312E-01	2.7721E-01	7.4922E-03	
												U-nat [1.6860E-01 kg]	1.20836E+01	4.4289E+00	1.1970E-01	
												Subtotal		4.7754E+00	1.2907E-01	
												Total Source [2.3671E-01 kg]		4.7754E+00	1.2907E-01	
4599/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9339.4675	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [9.3084E-08 kg]	2.09929E-01	7.2328E-02	1.9548E-03	AU
		163.0000	10.2950	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [7.1082E-02 kg]	8.39716E-01	2.8931E-01	7.8191E-03	
												U-nat [3.6602E-01 kg]	2.79086E+01	9.6152E+00	2.5987E-01	
												Subtotal		9.9768E+00	2.6964E-01	
												Total Source [4.3710E-01 kg]		9.9768E+00	2.6964E-01	
4604/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9729.5570	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.0767E-07 kg]	2.33050E-01	8.3657E-02	2.2610E-03	AU
		170.0000	10.7250	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [8.2220E-02 kg]	9.32199E-01	3.3464E-01	9.0442E-03	
												U-nat [4.3623E-01 kg]	3.19234E+01	1.1460E+01	3.0972E-01	
												Subtotal		1.1878E+01	3.2103E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-507

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.1844E-01 kg]		1.1878E+01	3.2103E-01	
4606/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9838	10069.7513	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9838	100	OXIDES/NONE	0.00	Th-230 [8.1432E-08 kg]	1.70284E-01	6.3274E-02	1.7101E-03	AU
		176.0000	11.1000	0.0200	<2.2000E+02	<2.2000E+03		176.0000				Th-232 [6.2184E-02 kg]	6.81135E-01	2.5309E-01	6.8403E-03	
												U-nat [6.1678E-01 kg]	4.36064E+01	1.6203E+01	4.3792E-01	
												Subtotal		1.6519E+01	4.4647E-01	
												Total Source [6.7897E-01 kg]		1.6519E+01	4.4647E-01	
Shipment Totals		43.2681	87647.6596									Source [5.7883E+00 kg]		1.2033E+02	3.2521E+00	
		1528.0000	96.6150													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number

0840-01-507

PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-507
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.5242E+00	4.1195E-02
Th-232	6.0969E+00	1.6478E-01
U-nat	1.1271E+02	3.0461E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-507
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100314

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/9/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-507

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66369

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/9/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.1131E+01	5.7110E-01	NA	20920 LBS; 165 FT3	4570
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.8993E+00	2.6755E-01	NA	22790 LBS; 180 FT3	4587
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5562E+01	6.9086E-01	NA	20480 LBS; 162 FT3	4590
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1382E+01	3.0763E-01	NA	22230 LBS; 176 FT3	4592
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2040E+00	2.4876E-01	NA	20670 LBS; 163 FT3	4593
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.7754E+00	1.2907E-01	NA	21900 LBS; 173 FT3	4597

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-507	LI RR	MWCX 100314

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-9-03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01-507, 508, 509

ıck Number- 36, 38

ıiler Number- 225, 226

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~☑~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~☑~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-9-03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
~~MHFX~~ MWCX
~~5245~~ 100314

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4587	22790
		4590	20480
		Total:	43270
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
~~MHFX~~ MWCX
~~5245~~ 100314

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4599	20590
		4570	20920
		Total:	41510
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport	Amato		12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
~~MHFX~~ MWCX
~~5245~~ 100314

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4593	20670
		4597	21900
		Total:	42570
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX MWCX
5245 100314

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4604	21450
		4592	22230
		Total:	43680
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX MWCX
5245 100314

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4606	22200
			0
		Total:	22200
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204500	22790	20480	20590	20920	20670	21900	21450	22230	22200
	0840-01-507	Bag #	4587	4590	4599	4570	4593	4597	4604	4592	4606
	Storage Loc.										
100314	12/9/2003	204500	181710	161230	140640	119720	99050	77150	55700	33470	11270

Daily Shipping checklist for Trucks and Packages

Date: 12/9/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4570		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4587		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4590		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4592		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4593		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4597		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4599		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4604		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4606		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9126 Date: 11-22-03 Time: 1501

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4523 Storage Bin: 48 Gross Weight: 19510 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	22	<MDA
2	~~0~~		24	
3	~~0~~		29	
4	1		35	
5	1		32	
6	~~0~~		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeSage
Surveyor Name

Debra LeSage
Surveyor Signature

Supervisor Approval

07097-S-14X244523-01.0
Date: 11/22/03 Time:1510

11-22-03 15:01 Bag# 4523
19510 lb GR
112203 1501 4523 0019510

Shipment Survey

Survey Number: GTEOSI 9200 Date: 12-4-03 Time: 0921

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4602 Storage Bin: 33 Gross Weight: 21570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	23	<MDA
2	1		22	
3	0		23	
4	1		32	
5	0		27	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage D LePage
Surveyor Name Surveyor Signature

Supervisor Approval

07307-S-050044602-04.0
Date: 12/04/03 Time:0856

12-04-03 9:21 Bag# 4602
21570 lb GR
120403 0921 4602 0021570

Shipment Survey

Survey Number: GTEOSI 9602 Date: 12-4-03 Time: 0951

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4603 Storage Bin: 33 Gross Weight: 21930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	31	<MDA
2	0		27	
3	1		26	
4	1		18	
5	0		34	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LPage
Surveyor Name — Surveyor Signature

Robert Hoppes
Supervisor Approval

07308-S-050044603-04.0
Date: 12/04/03 Time:0901

12-04-03 9:51 Bag# 4603
21930 lb GR
120403 0951 4603 0021930

Shipment Survey

Survey Number: GTEOSI 9603 Date: 12-4-03 Time: 1018

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4605 Storage Bin: 34 Gross Weight: 22040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	27	<MDA
2	1		23	
3	1		22	
4	1		31	
5	0		33	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07312-S-05Q044605-06.0
Date: 12/04/03 Time:1007

12-04-03 10:18 Bag# 4605
22040 lb GR
120403 1018 4605 0022040

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9604 Date: 12-4-03 Time: 1002

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4607 Storage Bin: 34 Gross Weight: 20740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	29	<MDA
2	0		15	
3	0		33	
4	0		28	
5	0		30	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07313-S-050044607-06.0

Date: 12/04/03 Time:1010

12-04-03 10:02 Bag# 4607

20740 lb GR

120403 1002 4607 0020740

Shipment Survey

Survey Number: GTEOSI 9606 Date: 12-4-03 Time: 1036

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4608 Storage Bin: 36 Gross Weight: 20170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	38	<MDA
2	0		27	
3	0		31	
4	0		29	
5	0		17	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

07319-S-05S044608-01.0
Date: 12/04/03 Time:1047

12-04-03 10:36 Bag# 4608
20170 lb GR
120403 1036 4608 0020170

Shipment Survey

Survey Number: GTEOSI 9607 Date: 12-4-03 Time: 1103

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4610 Storage Bin: 36 Gross Weight: 19490 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	21	<MDA
2	Ø		21	
3	Ø		25	
4	1		19	
5	Ø		28	
6	Ø		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBeau — Surveyor Name

Surveyor Signature

Supervisor Approval

07321-S-05S044610-03.0
Date: 12/04/03 Time:1118

12-04-03 11:03 Bag# 4610
19490 lb GR
120403 1103 4610 0019490

Shipment Survey

Survey Number: GTEOSI 9608 Date: 12-4-03 Time: 1115

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4611 Storage Bin: 36 Gross Weight: 19210 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .03 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	37	<MDA
2	0		23	
3	2		27	
4	1		27	
5	0		32	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage

Surveyor Name

Surveyor Signature

Supervisor Approval

07322-S-05S044611-03.0

Date: 12/04/03 Time: 1122

12-04-03 11:15 Bag# 4611

19210 lb GR

120403 1115 4611 0019210

Shipment Survey

Survey Number: GTEOSI 9609 Date: 12-4-03 Time: 1127

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4612 Storage Bin: 36 Gross Weight: 21320 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	26	<MDA
2	1		32	
3	1		24	
4	1		26	
5	0		31	
6	1		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Surveyor Signature

Supervisor Approval

07323-S-05S044612-03.0

Date: 12/04/03 Time:1149

12-04-03 11:27 Bag# 4612

21320 lb GR

120403 1127 4612 0021320

Shipment Survey

Survey Number: GTEOSI 9617 Date: 12-4-03 Time: 1422

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4619 Storage Bin: 38 Gross Weight: 22170 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	28	LMDA
2	1		28	
3	4		35	
4	1		32	
5	0		22	
6	2		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBoeuf — Surveyor Name

Surveyor Signature

Supervisor Approval

07336-S-110214619-14.0
Date: 12/04/03 Time:1439

12-04-03 14:22 Bag# 4619
22170 lb GR
120403 1422 4619 0022170

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-508
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100059

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/9/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-508

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/9/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2750E+00	2.5068E-01	NA	19510 LBS; 154 FT3	4523
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6952E+00	1.5392E-01	NA	21570 LBS; 171 FT3	4602
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9202E+00	1.3298E-01	NA	21930 LBS; 173 FT3	4603
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0481E+00	1.0941E-01	NA	22040 LBS; 174 FT3	4605
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5277E+00	1.4940E-01	NA	20740 LBS; 164 FT3	4607
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1459E+01	1.6610E+00	NA	20170 LBS; 159 FT3	4608

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-508

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4203E+01	1.7352E+00	NA	19490 LBS; 154 FT3	4610
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.6153E+01	2.3285E+00	NA	19210 LBS; 152 FT3	4611
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6244E+01	7.0928E-01	NA	21320 LBS; 169 FT3	4612
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4709E+00	2.0192E-01	NA	22170 LBS; 175 FT3	4619

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3	46.5812	kg	94052.3841	NP	NP	NP	NP
	ft3	1645.0000	ton	103.6750				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	2.7500E+02	NP	NP	NP	NP	(kg)	1.1412E+01
mCi	7.4323E+00	NP	NP	NP	NP	(tons)	1.2579E-02

2. MANIFEST NUMBER 0840-01-508

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-508

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4523/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8849.5877	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [9.5481E-08 kg]	2.27305E-01	7.4189E-02	2.0051E-03	AU
		154.0000	9.7550	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [7.2913E-02 kg]	9.09220E-01	2.9675E-01	8.0204E-03	
												U-nat [3.3894E-01 kg]	2.72808E+01	8.9041E+00	2.4065E-01	
												Subtotal		9.2750E+00	2.5068E-01	
												Total Source [4.1186E-01 kg]		9.2750E+00	2.5068E-01	
4602/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9783.9881	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.0336E-07 kg]	2.22482E-01	8.0312E-02	2.1706E-03	AU
		171.0000	10.7850	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [7.8932E-02 kg]	8.89929E-01	3.2126E-01	8.6826E-03	
												U-nat [2.0151E-01 kg]	1.46642E+01	5.2936E+00	1.4307E-01	
												Subtotal		5.6952E+00	1.5392E-01	
												Total Source [2.8044E-01 kg]		5.6952E+00	1.5392E-01	
4603/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9947.2813	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [8.1879E-08 kg]	1.73333E-01	6.3622E-02	1.7195E-03	AU
		173.0000	10.9650	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [6.2525E-02 kg]	6.93333E-01	2.5448E-01	6.8778E-03	
												U-nat [1.7519E-01 kg]	1.25388E+01	4.6021E+00	1.2438E-01	
												Subtotal		4.9202E+00	1.3298E-01	
												Total Source [2.3771E-01 kg]		4.9202E+00	1.3298E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-508

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4605/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9997.1765	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [7.1314E-08 kg]	1.50213E-01	5.5411E-02	1.4976E-03	AU
		174.0000	11.0200	0.0200	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [5.4458E-02 kg]	6.00851E-01	2.2164E-01	5.9904E-03	
												U-nat [1.4355E-01 kg]	1.02231E+01	3.7710E+00	1.0192E-01	
												Subtotal		4.0481E+00	1.0941E-01	
												Total Source [1.9801E-01 kg]		4.0481E+00	1.0941E-01	
4607/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9407.5064	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [6.5192E-08 kg]	1.45957E-01	5.0653E-02	1.3690E-03	AU
		164.0000	10.3700	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [4.9783E-02 kg]	5.83830E-01	2.0262E-01	5.4761E-03	
												U-nat [2.0078E-01 kg]	1.51978E+01	5.2744E+00	1.4255E-01	
												Subtotal		5.5277E+00	1.4940E-01	
												Total Source [2.5056E-01 kg]		5.5277E+00	1.4940E-01	
4608/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9148.9587	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [2.7276E-07 kg]	6.28014E-01	2.1194E-01	5.7280E-03	AU
		159.0000	10.0850	0.0200	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [2.0829E-01 kg]	2.51206E+00	8.4774E-01	2.2912E-02	
												U-nat [2.2992E+00 kg]	1.78978E+02	6.0399E+01	1.6324E+00	
												Subtotal		6.1459E+01	1.6610E+00	
												Total Source [2.5075E+00 kg]		6.1459E+01	1.6610E+00	
4610/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8840.5159	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [2.9538E-07 kg]	7.03901E-01	2.2951E-01	6.2029E-03	AU
		154.0000	9.7450	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [2.2556E-01 kg]	2.81560E+00	9.1804E-01	2.4812E-02	
												U-nat [2.4003E+00 kg]	1.93396E+02	6.3055E+01	1.7042E+00	
												Subtotal		6.4203E+01	1.7352E+00	
												Total Source [2.6259E+00 kg]		6.4203E+01	1.7352E+00	
4611/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8713.5100	0.0003	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [2.1119E-07 kg]	5.10638E-01	1.6409E-01	4.4349E-03	AU
		152.0000	9.6050	0.0300	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [1.6127E-01 kg]	2.04255E+00	6.5638E-01	1.7740E-02	
												U-nat [3.2482E+00 kg]	2.65544E+02	8.5333E+01	2.3063E+00	
												Subtotal		8.6153E+01	2.3285E+00	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-508

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.4095E+00 kg]		8.6153E+01	2.3285E+00	
4612/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9670.5900	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.8368E-07 kg]	4.00000E-01	1.4272E-01	3.8572E-03	AU
		169.0000	10.6600	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.4026E-01 kg]	1.60000E+00	5.7087E-01	1.5429E-02	
												U-nat [9.7181E-01 kg]	7.15533E+01	2.5530E+01	6.8999E-01	
												Subtotal		2.6244E+01	7.0928E-01	
												Total Source [1.1121E+00 kg]		2.6244E+01	7.0928E-01	
4619/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10056.1435	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.5263E-07 kg]	3.19610E-01	1.1860E-01	3.2053E-03	AU
		175.0000	11.0850	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.1656E-01 kg]	1.27844E+00	4.7438E-01	1.2821E-02	
												U-nat [2.6181E-01 kg]	1.85353E+01	6.8779E+00	1.8589E-01	
												Subtotal		7.4709E+00	2.0192E-01	
												Total Source [3.7837E-01 kg]		7.4709E+00	2.0192E-01	
Shipment Totals		46.5812	94415.2581									Source [1.1412E+01 kg]		2.7500E+02	7.4323E+00	
		1645.0000	104.0750													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-508
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-508
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1910E+00	3.2190E-02
Th-232	4.7641E+00	1.2876E-01
U-nat	2.6904E+02	7.2714E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-508
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100059

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/9/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-508

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66370

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE — TITLE: Broker GTEOSI — DATE: 12/9/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.2750E+00	2.5068E-01	NA	19510 LBS; 154 FT3	4523
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6952E+00	1.5392E-01	NA	21570 LBS; 171 FT3	4602
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.9202E+00	1.3298E-01	NA	21930 LBS; 173 FT3	4603
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0481E+00	1.0941E-01	NA	22040 LBS; 174 FT3	4605
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5277E+00	1.4940E-01	NA	20740 LBS; 164 FT3	4607
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1459E+01	1.6610E+00	NA	20170 LBS; 159 FT3	4608

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-508	LI RR	MWCX 100059

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Don Johnson

Shipment Date 12-9-03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01-507, 508, 509

ıck Number- 36, 38

ıiler Number- 225, 226

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the ·responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-9-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100059

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4605	22040
		4607	20740
		Total:	42780
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100059

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4603	21930
		4602	21570
		Total:	43500
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100059

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4523	19510
		4612	21320
		Total:	40830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100059

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4611	19210
		4610	19490
		Total:	38700
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport	Amato		12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100059

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4608	20170
		4619	22170
		Total:	42340
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/9/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4523		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4602		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4603		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4605		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4607		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4608		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4610		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4611		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4612		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4619		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	209400	22040	20740	21930	21570	19510	21320	19210	19490	20170	22170
	0840-01-508	Bag #	4605	4607	4603	4602	4523	4612	4611	4610	4608	4619
	Storage Loc.											
100059	12/9/2003	209400	187360	166620	144690	123120	103610	82290	63080	43590	23420	1250

Shipment Survey

Survey Number: GTEOSI 9613 Date: 12-4-03 Time: 1317

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4566 Storage Bin: 37 Gross Weight: 19480 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	31	<MDA
2	1		19	
3	~~0~~		30	
4	1		39	
5	~~0~~		19	
6	~~0~~		12	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07332-S-110214566-14.0

Date: 12/04/03 Time:1410

12-04-03 13:17 Bag# 4566

19480 lb GR

120403 1317 4566 0019480

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9179 Date: 12-3-03 Time: 1439

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4574 Storage Bin: C2 Gross Weight: 19190 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	25	<MDA
2	0		28	
3	1		30	
4	0		23	
5	0		26	
6	0		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LE PAGE — Surveyor Name

Surveyor Signature

Supervisor Approval

07273-S-11M214574-14.0

Date: 12/03/03 Time:1402

12-03-03 14:39 Bag# 4574

19190 lb GR

120303 1439 4574 0019190

Shipment Survey

Survey Number: GTEOSI 9614 Date: 12-4-03 Time: 1331

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4596 Storage Bin: 32 Gross Weight: 21220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	24	<MDA
2	~~0~~		26	
3	~~0~~		25	
4	~~0~~		33	
5	~~0~~		26	
6	3		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

07333-S-110214596-14.0
Date: 12/04/03 Time:1413

12-04-03 13:31 Bag# 4596
21220 lb GR
120403 1331 4596 0021220

Shipment Survey

Survey Number: GTEOSI 9615 Date: 12-4-03 Time: 1339

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4598 Storage Bin: 42 Gross Weight: 21500 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	9 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	37	<MDA
2	3		31	
3	1		29	
4	~~0~~		37	
5	~~0~~		19	
6	~~0~~		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Robert H
Supervisor Approval

07334-S-11N214598-16.0
Date: 12/04/03 Time:1417

12-04-03 13:39 Bag# 4598
21500 lb GR
120403 1339 4598 0021500

Shipment Survey

Survey Number: GTEOSI 9616 Date: 12-4-03 Time: 1418

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4600 Storage Bin: 38 Gross Weight: 22840 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 602 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	21	<MDA
2	~~0~~		20	
3	~~0~~		25	
4	1		20	
5	1		32	
6	1		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LPage — Surveyor Signature

Supervisor Approval

07335-S-11N214600-16.0

Date: 12/04/03 Time:1419

12-04-03 14:19 Bag# 4600

22840 lb GR

120403 1419 4600 0022840

Shipment Survey

Survey Number: GTEOSI 9610 Date: 12-4-03 Time: 1242

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4613 Storage Bin: 37 Gross Weight: 21090 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	28	<MDA
2	1		30	
3	2		25	
4	1		29	
5	1		30	
6	0		15	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Robert Hoff

Supervisor Approval

07325-S-05S054613-03.0

Date: 12/04/03 Time:1301

12-04-03 12:42 Bag# 4613

21090 lb GR

120403 1242 4613 0021090

Shipment Survey

Survey Number: GTEOSI 9611 Date: 12-4-03 Time: 1238

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4614 Storage Bin: 37 Gross Weight: 20620 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	1		38	
3	0		44	
4	0		30	
5	2		22	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

07327-S-050044614-06.0

Date: 12/04/03 Time:1306

12-04-03 12:38 Bag# 4614

20620 lb GR

120403 1238 4614 0020620

Shipment Survey

Survey Number: GTEOSI 9624 Date: 12-4-03 Time: 1440

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4615 Storage Bin: 39 Gross Weight: 21410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	28	LMDA
2	1		29	
3	~~0~~		22	
4	2		30	
5	~~0~~		22	
6	~~0~~		16	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBarge
Surveyor Name

Surveyor Signature

Supervisor Approval

07329-S-05R044615-03.0
Date: 12/04/03 Time:1339

12-04-03 14:40 Bag# 4615
21410 lb GR
120403 1440 4615 0021410

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9612 Date: 12-4-03 Time: 1256

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4616 Storage Bin: 37 Gross Weight: 19260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	39	<MDA
2	1		24	
3	~~0~~		24	
4	~~0~~		31	
5	~~0~~		23	
6	~~0~~		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07330-S-05R044616-03.0

Date: 12/04/03 Time:1343

12-04-03 12:56 Bag# 4616

19260 lb GR

120403 1256 4616 0019260

Shipment Survey

Survey Number: GTEOSI 9620 Date: 12-4-03 Time: 1458

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4618 Storage Bin: 43 Gross Weight: ~~20730~~ lbs

22410 JB 5-4-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	32	<MDA
2	1		20	
3	~~0~~		26	
4	1		37	
5	~~0~~		27	
6	2		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07339-S-05R044618-03.0

Date: 12/04/03 Time:1457

22410 lbs

12-04-03 14:58 Bag# 4618

~~20730 lb~~ GR

120403 1458 4618 0020730

JB 5-4-05

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-509
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100045
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/9/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-509

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Broker GTEOSI | DATE: 12/9/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7947E+00	2.1067E-01	NA	19480 LBS; 154 FT3	4566
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.3134E+01	6.2523E-01	NA	19190 LBS; 152 FT3	4574
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8484E+01	4.9957E-01	NA	21220 LBS; 168 FT3	4596
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7953E+00	2.1068E-01	NA	21500 LBS; 170 FT3	4598
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0407E+01	1.3624E+00	NA	22840 LBS; 181 FT3	4600
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6665E+01	7.2066E-01	NA	21090 LBS; 167 FT3	4613

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-509

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.7713E+01	7.4900E-01	NA	20620 LBS; 163 FT3	4614
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.2540E+00	1.4200E-01	NA	21410 LBS; 169 FT3	4615
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0066E+00	1.6234E-01	NA	19260 LBS; 152 FT3	4616
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5564E+00	1.2314E-01	NA	22410 LBS; 177 FT3	4618

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 46.8077 / ft3 1653.0000	kg 94447.0095 / ton 104.1100	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.7781E+02	NP	NP	NP	NP	(kg)	7.7669E+00
mCi	4.8057E+00	NP	NP	NP	NP	(tons)	8.5616E-03

2. MANIFEST NUMBER 0840-01-509

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-509

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4566/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8835.9800	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [1.0169E-07 kg]	2.42447E-01	7.9010E-02	2.1354E-03	AU
		154.0000	9.7400	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [7.7650E-02 kg]	9.69787E-01	3.1604E-01	8.5415E-03	
												U-nat [2.8167E-01 kg]	2.27062E+01	7.3996E+00	1.9999E-01	
												Subtotal		7.7947E+00	2.1067E-01	
												Total Source [3.5932E-01 kg]		7.7947E+00	2.1067E-01	
4574/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8704.4382	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [5.6184E-07 kg]	1.35993E+00	4.3656E-01	1.1799E-02	AU
		152.0000	9.5950	0.0200	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [4.2904E-01 kg]	5.43972E+00	1.7462E+00	4.7195E-02	
												U-nat [7.9751E-01 kg]	6.52650E+01	2.0951E+01	5.6624E-01	
												Subtotal		2.3134E+01	6.2523E-01	
												Total Source [1.2266E+00 kg]		2.3134E+01	6.2523E-01	
4596/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9625.2307	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [1.3309E-07 kg]	2.91206E-01	1.0341E-01	2.7949E-03	AU
		168.0000	10.6100	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [1.0163E-01 kg]	1.16482E+00	4.1366E-01	1.1180E-02	
												U-nat [6.8394E-01 kg]	5.05960E+01	1.7967E+01	4.8560E-01	
												Subtotal		1.8484E+01	4.9957E-01	
												Total Source [7.8557E-01 kg]		1.8484E+01	4.9957E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-509

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4598/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9752.2366	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.4288E-07 kg]	3.08546E-01	1.1102E-01	3.0005E-03	AU
		170.0000	10.7500	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.0911E-01 kg]	1.23418E+00	4.4407E-01	1.2002E-02	
												U-nat [2.7561E-01 kg]	2.01223E+01	7.2402E+00	1.9568E-01	
												Subtotal		7.7953E+00	2.1068E-01	
												Total Source [3.8472E-01 kg]		7.7953E+00	2.1068E-01	
4600/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10360.0504	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.5013E-07 kg]	3.05106E-01	1.1665E-01	3.1527E-03	AU
		181.0000	11.4200	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [1.1464E-01 kg]	1.22043E+00	4.6661E-01	1.2611E-02	
												U-nat [1.8966E+00 kg]	1.30318E+02	4.9824E+01	1.3466E+00	
												Subtotal		5.0407E+01	1.3624E+00	
												Total Source [2.0112E+00 kg]		5.0407E+01	1.3624E+00	
4613/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9566.2637	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.2942E-07 kg]	2.84929E-01	1.0056E-01	2.7178E-03	AU
		167.0000	10.5450	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [9.8829E-02 kg]	1.13972E+00	4.0223E-01	1.0871E-02	
												U-nat [9.9588E-01 kg]	7.41281E+01	2.6162E+01	7.0707E-01	
												Subtotal		2.6665E+01	7.2066E-01	
												Total Source [1.0947E+00 kg]		2.6665E+01	7.2066E-01	
4614/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9353.0753	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [1.3378E-07 kg]	3.01277E-01	1.0395E-01	2.8095E-03	AU
		163.0000	10.3100	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [1.0216E-01 kg]	1.20511E+00	4.1581E-01	1.1238E-02	
												U-nat [1.0351E+00 kg]	7.88133E+01	2.7193E+01	7.3495E-01	
												Subtotal		2.7713E+01	7.4900E-01	
												Total Source [1.1373E+00 kg]		2.7713E+01	7.4900E-01	
4615/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9711.4133	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [9.8473E-08 kg]	2.13546E-01	7.6512E-02	2.0679E-03	AU
		169.0000	10.7050	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [7.5198E-02 kg]	8.54184E-01	3.0606E-01	8.2718E-03	
												U-nat [1.8543E-01 kg]	1.35957E+01	4.8714E+00	1.3166E-01	
												Subtotal		5.2540E+00	1.4200E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-509

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total		5.2540E+00	1.4200E-01	
												Source [2.6063E-01 kg]				
4616/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3042	8736.1896	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3042	100	OXIDES/NONE	0.00	Th-230 [8.6474E-08 kg]	2.08546E-01	6.7192E-02	1.8160E-03	AU
		152.0000	9.6300	0.0200	<2.2000E+02	<2.2000E+03		152.0000				Th-232 [6.6035E-02 kg]	8.34184E-01	2.6876E-01	7.2638E-03	
												U-nat [2.1586E-01 kg]	1.76001E+01	5.6706E+00	1.5326E-01	
												Subtotal		6.0066E+00	1.6234E-01	
												Total		6.0066E+00	1.6234E-01	
												Source [2.8189E-01 kg]				
4618/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0121	10165.0057	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0121	100	OXIDES/NONE	0.00	Th-230 [8.3746E-08 kg]	1.73475E-01	6.5072E-02	1.7587E-03	AU
		177.0000	11.2050	0.0200	<2.2000E+02	<2.2000E+03		177.0000				Th-232 [6.3951E-02 kg]	6.93901E-01	2.6028E-01	7.0346E-03	
												U-nat [1.6105E-01 kg]	1.12794E+01	4.2310E+00	1.1435E-01	
												Subtotal		4.5564E+00	1.2314E-01	
												Total		4.5564E+00	1.2314E-01	
												Source [2.2501E-01 kg]				
Shipment Totals		46.8077	94809.8835									Source [7.7669E+00 kg]		1.7781E+02	4.8057E+00	
		1653.0000	104.5100													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-509
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-509
Envirocare of Utah, Inc.

	Total Activity	
Isotope	**(MBq)**	**(mCi)**
Th-230	1.2599E+00	3.4052E-02
Th-232	5.0397E+00	1.3621E-01
U-nat	1.7151E+02	4.6354E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

Utah Generator Site Access Permit No.: 020 500 1352

SHIPMENT NUMBER

CONTACT

SHIPPER I.D. NUMBER: 0840-01-509

☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

TELEPHONE NUMBER (Include Area Code): 516-932-9157

EPA I.D. NUMBER: NYR000104976

SHIPPING DATE: 9/2003

TELEPHONE (Include Area Code): 35-0069

[redacted]

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-509

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66371

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] | TITLE: Agent GTEOSI | DATE: 12/9/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	[redacted]	[redacted]	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	[redacted]	Solid / OXIDES	Th-230	Th-232	U-nat	7.7947E+00	2.1067E-01	NA	19480 LBS; 154 FT3	4566
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.3134E+01	6.2523E-01	NA	19190 LBS; 152 FT3	4574
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8484E+01	4.9957E-01	NA	21220 LBS; 168 FT3	4596
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7953E+00	2.1068E-01	NA	21500 LBS; 170 FT3	4598
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0407E+01	1.3624E+00	NA	22840 LBS; 181 FT3	4600
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6665E+01	7.2066E-01	NA	21090 LBS; 167 FT3	4613

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01-507, 508, 509

uck Number- 36, 38

ailer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the rresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ~~N/A~~
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ~~N/A~~
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-9-03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-509	LI RR	MWCX 100045

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☒	☒	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☒	☒	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☒	☒	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☒	☒	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-9-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100045

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4566	19480
		4616	19260
		Total:	38740
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100045

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4600	22840
		4598	21500
		Total:	44340
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100045

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4613	21090
		4614	20620
		Total:	41710
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100045

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4596	21220
		4618	20730
		Total:	41950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100045

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4615	21410
		4574	19190
		Total:	40600
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/9/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		N	
2		N	

Gondola has been inspected for proper marking and labeling. Int. N

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4566		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4574		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4596		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4598		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4600		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4613		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4614		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4615		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4616		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4618		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	210600	19480	19260	21090	20620	22840	21500	21220	20730	21410	19190
SLW	0840-01-509	Bag #	4566	4616	4613	4614	4600	4598	4596	4618	4615	4574
	Storage Loc.											
100045	12/9/2003	210600	191120	171860	150770	130150	107310	85810	64590	43860	22450	3260

Shipment Survey

Survey Number: GTEOSI 9181 Date: 12-3-03 Time: 1501

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4579 Storage Bin: 62 Gross Weight: 13160 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	28	LMDA
2	0		25	
3	0		24	
4	1		30	
5	0		27	
6	0		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07276-S-050044579-01.0
Date: 12/03/03 Time:1453

12-03-03 15:01 Bag# 4579
13160 lb GR
120303 1501 4579 0013160

Shipment Survey

Survey Number: GTEOSI 9635 Date: 12-4-03 Time: 1617

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4623 Storage Bin: 43 Gross Weight: ~~19830~~ lbs

22,510 lbs JB 5-5-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	27	LMDA
2	0		27	
3	2		29	
4	1		36	
5	0		11	
6	1		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoyd — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07351-S-11N214623-05.0

Date: 12/04/03 Time:1629

22,510 lbs

12-04-03 16:17 Bag# 4623

~~19830 lb~~ GR

120403 1617 4623 0019830

JB 5-5-05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9634 Date: 12-4-03 Time: 1614

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4624 Storage Bin: 43 Gross Weight: 21530 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	31	<MDA
2	2		33	
3	3		38	
4	Ø		27	
5	Ø		32	
6	Ø		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07353-S-11N214624-05.0

Date: 12/04/03 Time:1648

12-04-03 16:14 Bag# 4624

21530 lb GR

120403 1614 4624 0021530

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9636 Date: 12-4-03 Time: 1620

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4625 Storage Bin: 43 Gross Weight: ~~21790~~ lbs JB 5-5-05

20340 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	25	<MDA
2	1		29	
3	1		34	
4	1		24	
5	~~0~~		27	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Debra K Page — Surveyor Signature

Supervisor Approval

07354-S-11M214625-05.0

Date: 12/04/03 Time:1652

20340 lbs

12-04-03 16:20 Bag# 4625

~~21790 lb~~ GR

120403 1620 4625 0021790

JB 5-5-05

Shipment Survey

Survey Number: GTEOSI 9625 Date: 12-4-03 Time: 1531

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4628 Storage Bin: 40 Gross Weight: 19440 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	25	<MDA
2	1		32	
3	~~0~~		27	
4	~~0~~		24	
5	~~0~~		31	
6	~~0~~	↓	16	↓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Surveyor Name

Surveyor Signature

Supervisor Approval

07343-S-05R044628-03.0

Date: 12/04/03 Time:1538

12-04-03 15:31 Bag# 4628

19440 lb GR

120403 1531 4628 0019440

Shipment Survey

Survey Number: GTEOSI 9639 Date: 12-5-03 Time: 0818

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4637 Storage Bin: 44 Gross Weight: ~~21710~~ lbs

21820 lbs JB 5-5-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	20	<MDA
2	0		33	
3	2		21	
4	0		30	
5	0		31	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LaPage — Surveyor Name

Debra LaPage — Surveyor Signature

Supervisor Approval

07359-S-11M214637-05.0

Date: 12/05/03 Time:0854

21820 lbs

12-05-03 8:18 Bag# 4637

~~21710~~ lb GR

120503 0818 4637 0021710

JB 5-5-05

Shipment Survey

Survey Number: GTEOSI 9643 Date: 12-5-03 Time: 0838

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4638 Storage Bin: 44 Gross Weight: ~~22410~~ lbs JB 5-5-05

21990 -lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	25	<MDA
2	Ø		27	
3	Ø		27	
4	/		30	
5	/		28	
6	Ø		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07360-S-110214638-24.0

Date: 12/05/03 Time:0857

21990 -lbs

12-05-03 8:23 Bag# 4638

~~22410~~ lb GR

120503 0823 4638 0022410

JB 5-5-05

Shipment Survey

Survey Number: GTEOSI 9641 Date: 12-5-03 Time: 0833

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4640 Storage Bin: 45 Gross Weight: ~~22070~~ lbs JB-5/5/05

20140 - lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	33	<MDA
2	~~0~~		13	
3	~~0~~		22	
4	~~0~~		27	
5	~~0~~		34	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeSage — Surveyor Name

Surveyor Signature

Supervisor Approval

07362-S-110214640-24.0
Date: 12/05/03 Time:0901

20140-lbs

12-05-03 8:33 Bag# 4640

~~22070 lb~~ GR

120503 0833 4640 0022070

JB 5-5-05

Shipment Survey

Survey Number: GTEOSI 9642 Date: 12-5-03 Time: 0837

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4642 Storage Bin: 45 Gross Weight: ~~20340~~ lbs JB 9-505

22070 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	28	<MDA
2	1		31	
3	0		27	
4	1		13	
5	0		29	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeBlanc — Surveyor Name

Surveyor Signature

Supervisor Approval

07358-S-05R044642-06.0

Date: 12/05/03 Time:0853

22070 lbs

12-05-03 8:37 Bag# 4642

~~20340 lb~~ GR

120503 0837 4642 0020340

JB 9-505

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9646 Date: 12-5-03 Time: 0930

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4646 Storage Bin: 46 Gross Weight: ~~21680~~ lbs JB-5/5/05

21900 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	31	<MDA
2	2		20	
3	~~0~~		35	
4	~~0~~		28	
5	~~0~~		41	
6	~~0~~		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage — Surveyor Name

Surveyor Signature

Supervisor Approval

07368-S-110214646-24.0

Date: 12/05/03 Time:0929

21900 lbs

12-05-03 9:30 Bag# 4646

~~21680 lb GR~~

120503 0930 4646 0021680

JB 5-5-05

Revised

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-510
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100301

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: Greg Amato
DATE: 12/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-510

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3552E+00	9.0680E-02	NA	13160 LBS; 104 FT3	4579
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5452E+01	9.5815E-01	NA	22510 LBS; 178 FT3	4623
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9536E+01	5.2797E-01	NA	21530 LBS; 170 FT3	4624
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8208E+00	1.5732E-01	NA	20340 LBS; 161 FT3	4625
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5763E+01	9.6657E-01	NA	19440 LBS; 154 FT3	4628
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8162E+00	2.1125E-01	NA	21820 LBS; 173 FT3	4637

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-510

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0300E+01	5.4865E-01	NA	21990 LBS; 174 FT3	4638
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8705E+01	5.0554E-01	NA	20140 LBS; 159 FT3	4640
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6846E+00	1.2661E-01	NA	22070 LBS; 175 FT3	4642
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4893E+00	1.4836E-01	NA	21900 LBS; 173 FT3	4646

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
10	m3 45.9016 ft3 1621.0000	kg 92578.2089 ton 102.0500	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.5692E+02	NP	NP	NP	NP	(kg)	6.6383E+00
mCi	4.2411E+00	NP	NP	NP	NP	(tons)	7.3175E-03

2. MANIFEST NUMBER 0840-01-510

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-510

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4579/GTEOSI	19 Strong Tight Container Loaded in Gondola	2.9450	5969.2760	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	2.9450	100	OXIDES/NONE	0.00	Th-230 [8.6999E-08 kg]	3.07660E-01	6.7599E-02	1.8270E-03	AU
		104.0000	6.5800	0.0200	<2.2000E+02	<2.2000E+03		104.0000				Th-232 [6.6436E-02 kg]	1.23064E+00	2.7039E-01	7.3079E-03	
												U-nat [1.1485E-01 kg]	1.37319E+01	3.0172E+00	8.1545E-02	
												Subtotal		3.3552E+00	9.0680E-02	
												Total Source [1.8129E-01 kg]		3.3552E+00	9.0680E-02	
4623/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10210.3649	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [2.0686E-07 kg]	4.26596E-01	1.6073E-01	4.3441E-03	AU
		178.0000	11.2550	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [1.5797E-01 kg]	1.70638E+00	6.4295E-01	1.7377E-02	
												U-nat [1.3189E+00 kg]	9.19580E+01	3.4648E+01	9.3643E-01	
												Subtotal		3.5452E+01	9.5815E-01	
												Total Source [1.4769E+00 kg]		3.5452E+01	9.5815E-01	
4624/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9765.8444	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.5509E-07 kg]	3.34433E-01	1.2050E-01	3.2568E-03	AU
		170.0000	10.7650	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.1843E-01 kg]	1.33773E+00	4.8200E-01	1.3027E-02	
												U-nat [7.2069E-01 kg]	5.25440E+01	1.8933E+01	5.1169E-01	
												Subtotal		1.9536E+01	5.2797E-01	
												Total Source [8.3912E-01 kg]		1.9536E+01	5.2797E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-510

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4625/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9226.0694	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [7.3327E-08 kg]	1.67411E-01	5.6976E-02	1.5399E-03	AU
		161.0000	10.1700	0.0200	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [5.5995E-02 kg]	6.69645E-01	2.2790E-01	6.1594E-03	
												U-nat [2.1073E-01 kg]	1.62664E+01	5.5359E+00	1.4962E-01	
												Subtotal		5.8208E+00	1.5732E-01	
												Total Source [2.6673E-01 kg]		5.8208E+00	1.5732E-01	
4628/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8817.8363	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [1.4263E-07 kg]	3.40780E-01	1.1083E-01	2.9953E-03	AU
		154.0000	9.7200	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [1.0892E-01 kg]	1.36312E+00	4.4330E-01	1.1981E-02	
												U-nat [1.3403E+00 kg]	1.08265E+02	3.5209E+01	9.5159E-01	
												Subtotal		3.5763E+01	9.6657E-01	
												Total Source [1.4492E+00 kg]		3.5763E+01	9.6657E-01	
4637/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9897.3862	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [8.1233E-08 kg]	1.72837E-01	6.3118E-02	1.7059E-03	AU
		173.0000	10.9100	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [6.2033E-02 kg]	6.91348E-01	2.5247E-01	6.8236E-03	
												U-nat [2.8552E-01 kg]	2.05391E+01	7.5006E+00	2.0272E-01	
												Subtotal		7.8162E+00	2.1125E-01	
												Total Source [3.4755E-01 kg]		7.8162E+00	2.1125E-01	
4638/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9974.4969	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [1.0362E-07 kg]	2.18759E-01	8.0512E-02	2.1760E-03	AU
		174.0000	10.9950	0.0200	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [7.9128E-02 kg]	8.75035E-01	3.2205E-01	8.7041E-03	
												U-nat [7.5742E-01 kg]	5.40626E+01	1.9897E+01	5.3777E-01	
												Subtotal		2.0300E+01	5.4865E-01	
												Total Source [8.3655E-01 kg]		2.0300E+01	5.4865E-01	
4640/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9135.3509	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [1.0042E-07 kg]	2.31560E-01	7.8029E-02	2.1089E-03	AU
		159.0000	10.0700	0.0200	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [7.6686E-02 kg]	9.26241E-01	3.1211E-01	8.4355E-03	
												U-nat [6.9719E-01 kg]	5.43528E+01	1.8315E+01	4.9500E-01	
												Subtotal		1.8705E+01	5.0554E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-510

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [7.7387E-01 kg]		1.8705E+01	5.0554E-01	
4642/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10010.7843	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [5.9425E-08 kg]	1.25000E-01	4.6172E-02	1.2479E-03	AU
		175.0000	11.0350	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [4.5379E-02 kg]	5.00000E-01	1.8469E-01	4.9917E-03	
												U-nat [1.6954E-01 kg]	1.20570E+01	4.4537E+00	1.2037E-01	
												Subtotal		4.6846E+00	1.2661E-01	
												Total Source [2.1492E-01 kg]		4.6846E+00	1.2661E-01	
4646/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9933.6736	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [7.0257E-08 kg]	1.48936E-01	5.4590E-02	1.4754E-03	AU
		173.0000	10.9500	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [5.3651E-02 kg]	5.95745E-01	2.1836E-01	5.9016E-03	
												U-nat [1.9856E-01 kg]	1.42308E+01	5.2163E+00	1.4098E-01	
												Subtotal		5.4893E+00	1.4836E-01	
												Total Source [2.5221E-01 kg]		5.4893E+00	1.4836E-01	
Shipment Totals		45.9016	92941.0829									Source [6.6383E+00 kg]		1.5692E+02	4.2411E+00	
		1621.0000	102.4500													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-510
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-510
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	8.3906E-01	2.2677E-02
Th-232	3.3562E+00	9.0709E-02
U-nat	1.5273E+02	4.1277E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

Revised

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 10

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-510
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100301

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-510

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66372

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.3552E+00	9.0680E-02	NA	13160 LBS; 104 FT3	4579
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.5452E+01	9.5815E-01	NA	22510 LBS; 178 FT3	4623
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				1.9536E+01	5.2797E-01	NA	21530 LBS; 170 FT3	4624
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				5.8208E+00	1.5732E-01	NA	20340 LBS; 161 FT3	4625
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				3.5763E+01	9.6657E-01	NA	19440 LBS; 154 FT3	4628
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				7.8162E+00	2.1125E-01	NA	21820 LBS; 173 FT3	4637

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequat[redacted]
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

[redacted]s & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a [redacted]ed by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or [redacted]

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-510	LIRR	MWCX 102301

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [signature]

Shipment Date 12-10-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100301

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4638	22410
		4637	21710
		Total:	44120
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100301

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4624	21530
		4623	19830
		Total:	41360
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100301

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4628	19440
		4625	21790
		Total:	41230
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI	Neal Sy		12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/9/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100301

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4646	21680
		4579	13160
		Total:	34840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/9/2003
Transporter	Signature		Date
Priority Transport			12/9/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/9/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100301

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4640	22070
		4642	20340
		Total:	42410
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI	Neal Sawyer		12/9/2003
Transporter	Signature		Date
Priority Transport	Amato		12/9/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/10/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4624		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4623		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4638		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4637		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4628		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4625		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4640		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4642		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4646		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
10	4579		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204700	21530	19830	22410	21710	19440	21790	22070	20340	21680	13160
	0840-01-510	Bag #	4624	4623	4638	4637	4628	4625	4640	4642	4646	4579
	Storage Loc.											l/s
100301	12/10/2003	204700	183170	163340	140930	119220	99780	77990	55920	35580	13900	740

Shipment Survey

Survey Number: GTEOSI 9621 Date: 12-4-03 Time: 1506.

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4617 Storage Bin: 40 Gross Weight: ~~20860~~ lbs

21710 JB 5-5-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	31	<MDA
2	~~0~~		31	
3	2		39	
4	~~0~~		37	
5	~~0~~		21	
6	1		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07340-S-05R044617-03.0

Date: 12/04/03 Time:1501

21710 - lbs

12-04-03 15:06 Bag# 4617

~~20860 lb~~ GR

120403 1506 4617 0020860

JB 5-5-05

Shipment Survey

Survey Number: GTEOSI 9630 Date: 12-4-03 Time: 1600

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4622 Storage Bin: 42 Gross Weight: ~~21820~~ lbs 22070 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	24	<MDA
2	~~0~~		40	
3	~~0~~		25	
4	3		29	
5	~~0~~		41	
6	~~0~~		14	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

07347-S-11N214622-05.0
Date: 12/04/03 Time:1620

22070 lbs

12-04-03 16:00 Bag# 4622

~~21820~~ lb GR

120403 1600 4622 0021820

JB 5-5-05

Shipment Survey

Survey Number: GTEOSI 9622 Date: 12-4-03 Time: 1513

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4626 Storage Bin: 40 Gross Weight: 20560 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	29	<MDA
2	1		22	
3	1		28	
4	1		29	
5	0		38	
6	2		36	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07341-S-05R044626-06.0

Date: 12/04/03 Time:1523

12-04-03 15:13 Bag# 4626

20560 lb GR

120403 1513 4626 0020560

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9623 Date: 12-4-03 Time: 1521

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4627 Storage Bin: 40 Gross Weight: 20390 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	34	<MDA
2	0		35	
3	0		20	
4	0		36	
5	1		20	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07342-S-05R044627-03.0

Date: 12/04/03 Time:1528

12-04-03 15:21 Bag# 4627

20390 lb GR

120403 1521 4627 0020390

Shipment Survey

Survey Number: GTEOSI 9631 Date: 12-4-03 Time: 1604

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4633 Storage Bin: 42 Gross Weight: ~~20160~~ lbs

21560 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	24	LMDA
2	~~0~~		19	
3	~~0~~		20	
4	2		29	
5	~~0~~		23	
6	~~0~~		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy Surveyor Name

Surveyor Signature

Supervisor Approval

07349-S-05R044633-06.0

Date: 12/04/03 Time:1626

21560 lbs

12-04-03 16:04 Bag# 4633

~~20160~~ lb GR

120403 1604 4633 0020160

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9637 Date: 12-4-03 Time: 1625

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4636 Storage Bin: 43 Gross Weight: ~~21540~~ lbs JB 5/5/05

21200 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	31	LMDA
2	0		28	
3	0		29	
4	0		33	
5	0		29	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFlagel — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07355-S-11M214636-05.0

Date: 12/04/03 Time:1657

21200 - lbs

12-04-03 16:25 Bag# 4636

~~21540 lb~~ GR

120403 1625 4636 0021540

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9640 Date: 12-5-03 Time: 0829

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4641 Storage Bin: 44 Gross Weight: ~~22510~~ lbs

21280 - lbs 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	32	<MDA
2	1		31	
3	1		25	
4	1		23	
5	1		25	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFlage — Surveyor Name

Surveyor Signature

Supervisor Approval

07357-S-05R044641-06.0

Date: 12/05/03 Time:0849

21280 - lbs

12-05-03 8:29 Bag# 4641

~~22510~~ lb GR

120503 0829 4641 0022510

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9644 Date: 12-5-03 Time: 0920

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4644 Storage Bin: 45 Gross Weight: ~~22800~~ lbs JB 95105

23390 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	32	LMDA
2	1		24	
3	1		27	
4	0		31	
5	0		31	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage

Surveyor Name

Surveyor Signature

Supervisor Approval

07363-S-11Q214644-24.0

Date: 12/05/03 Time:0904

23390 lbs

12-05-03 9:22 Bag# 4644

~~22800 lb~~ GR

120503 0922 4644 0022800

JB 95105

Shipment Survey

Survey Number: GTEOSI 9648 Date: 12-5-03 Time: 0955

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4647 Storage Bin: 46 Gross Weight: ~~21560~~ lbs JB 5/5/05

22120 - lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	30	LMDA
2	~~0~~		39	
3	1		31	
4	~~0~~		29	
5	2		23	
6	1		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Le Page — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

07371-S-11Q214647-24.0
Date: 12/05/03 Time:1009

22120 - lbs

12-05-03 9:55 Bag# 4647

~~21560~~ lb GR

120503 0955 4647 0021560

JB 5/5/05

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-511
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100316
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Cenato
DATE: 12/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-511

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3035E+01	3.5231E-01	NA	21710 LBS; 172 FT3	4617
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0473E+01	2.8305E-01	NA	22070 LBS; 175 FT3	4622
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2831E+01	8.8730E-01	NA	20560 LBS; 163 FT3	4626
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.0117E+01	1.0842E+00	NA	20390 LBS; 161 FT3	4627
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1919E+01	3.2214E-01	NA	21560 LBS; 170 FT3	4633
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4679E+01	3.9673E-01	NA	21200 LBS; 168 FT3	4636

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-511

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3179E+01	3.5620E-01	NA	21280 LBS; 168 FT3	4641
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.9648E+01	8.0129E-01	NA	23390 LBS; 185 FT3	4644
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.5942E+00	1.2417E-01	NA	22120 LBS; 175 FT3	4647

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.5228 ft3 1537.0000	kg 87797.3450 ton 96.7800	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.7048E+02	NP	NP	NP	NP	(kg)	7.1875E+00
mCi	4.6074E+00	NP	NP	NP	NP	(tons)	7.9228E-03

2. MANIFEST NUMBER 0840-01-511

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-511

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4617/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9847.4910	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.3263E-07 kg]	2.83617E-01	1.0305E-01	2.7851E-03	AU
		172.0000	10.8550	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [1.0128E-01 kg]	1.13447E+00	4.1222E-01	1.1141E-02	
												U-nat [4.7660E-01 kg]	3.44584E+01	1.2520E+01	3.3838E-01	
												Subtotal		1.3035E+01	3.5231E-01	
												Total Source [5.7787E-01 kg]		1.3035E+01	3.5231E-01	
4622/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10010.7843	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [9.3226E-08 kg]	1.96099E-01	7.2439E-02	1.9578E-03	AU
		175.0000	11.0350	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [7.1191E-02 kg]	7.84397E-01	2.8975E-01	7.8310E-03	
												U-nat [3.8488E-01 kg]	2.73716E+01	1.0111E+01	2.7326E-01	
												Subtotal		1.0473E+01	2.8305E-01	
												Total Source [4.5607E-01 kg]		1.0473E+01	2.8305E-01	
4626/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9325.8597	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [1.9861E-07 kg]	4.48582E-01	1.5432E-01	4.1709E-03	AU
		163.0000	10.2800	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [1.5167E-01 kg]	1.79433E+00	6.1731E-01	1.6684E-02	
												U-nat [1.2204E+00 kg]	9.31872E+01	3.2059E+01	8.6645E-01	
												Subtotal		3.2831E+01	8.8730E-01	
												Total Source [1.3720E+00 kg]		3.2831E+01	8.8730E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-511

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4627/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9248.7490	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [1.4703E-07 kg]	3.34858E-01	1.1424E-01	3.0876E-03	AU
		161.0000	10.1950	0.0200	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [1.1228E-01 kg]	1.33943E+00	4.5699E-01	1.2351E-02	
												U-nat [1.5054E+00 kg]	1.15914E+02	3.9546E+01	1.0688E+00	
												Subtotal		4.0117E+01	1.0842E+00	
												Total Source [1.6176E+00 kg]		4.0117E+01	1.0842E+00	
4633/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9779.4521	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [9.0175E-08 kg]	1.94184E-01	7.0067E-02	1.8937E-03	AU
		170.0000	10.7800	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [6.8861E-02 kg]	7.76738E-01	2.8026E-01	7.5747E-03	
												U-nat [4.4038E-01 kg]	3.20623E+01	1.1569E+01	3.1267E-01	
												Subtotal		1.1919E+01	3.2214E-01	
												Total Source [5.0924E-01 kg]		1.1919E+01	3.2214E-01	
4636/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9616.1589	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [7.7119E-08 kg]	1.68901E-01	5.9922E-02	1.6195E-03	AU
		168.0000	10.6000	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [5.8891E-02 kg]	6.75603E-01	2.3969E-01	6.4780E-03	
												U-nat [5.4736E-01 kg]	4.05308E+01	1.4379E+01	3.8863E-01	
												Subtotal		1.4679E+01	3.9673E-01	
												Total Source [6.0625E-01 kg]		1.4679E+01	3.9673E-01	
4641/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9652.4463	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [1.0372E-07 kg]	2.26312E-01	8.0593E-02	2.1782E-03	AU
		168.0000	10.6400	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [7.9208E-02 kg]	9.05248E-01	3.2237E-01	8.7128E-03	
												U-nat [4.8635E-01 kg]	3.58772E+01	1.2776E+01	3.4531E-01	
												Subtotal		1.3179E+01	3.5620E-01	
												Total Source [5.6556E-01 kg]		1.3179E+01	3.5620E-01	
4644/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2386	10609.5262	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2386	100	OXIDES/NONE	0.00	Th-230 [1.4491E-07 kg]	2.87553E-01	1.1259E-01	3.0431E-03	AU
		185.0000	11.6950	0.0200	<2.2000E+02	<2.2000E+03		185.0000				Th-232 [1.1066E-01 kg]	1.15021E+00	4.5036E-01	1.2172E-02	
												U-nat [1.1071E+00 kg]	7.42787E+01	2.9085E+01	7.8607E-01	
												Subtotal		2.9648E+01	8.0129E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-511

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total		2.9648E+01	8.0129E-01	
												Source [1.2178E+00 kg]				
4647/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.9554	10033.4639	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [1.4636E-07 kg]	3.07163E-01	1.1372E-01	3.0735E-03	AU
		175.0000	11.0600	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [1.1176E-01 kg]	1.22865E+00	4.5488E-01	1.2294E-02	
												U-nat [1.5324E-01 kg]	1.08734E+01	4.0256E+00	1.0880E-01	
												Subtotal		4.5942E+00	1.2417E-01	
												Total		4.5942E+00	1.2417E-01	
												Source [2.6501E-01 kg]				
Shipment Totals		43.5228	88123.9314									Source [7.1875E+00 kg]		1.7048E+02	4.6074E+00	
		1537.0000	97.1400													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-511
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-511
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	8.8095E-01	2.3809E-02
Th-232	3.5238E+00	9.5238E-02
U-nat	1.6607E+02	4.4884E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-511
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100316

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-511

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66373

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3035E+01	3.5231E-01	NA	21710 LBS; 172 FT3	4617
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid	[redacted]			1.0473E+01	2.8305E-01	NA	22070 LBS; 175 FT3	4622
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid	[redacted]			3.2831E+01	8.8730E-01	NA	20560 LBS; 163 FT3	4626
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid	[redacted]			4.0117E+01	1.0842E+00	NA	20390 LBS; 161 FT3	4627
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid	[redacted]			1.1919E+01	3.2214E-01	NA	21560 LBS; 170 FT3	4633
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid	[redacted]			1.4679E+01	3.9673E-01	NA	21200 LBS; 168 FT3	4636

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-511	L I R R	MWCX 100316

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☑	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-10-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100316

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4647	21560
		4641	22510
		Total:	44070
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/10/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100316

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4636	21540
		4622	21820
		Total:	43360
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100316

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4626	20560
		4627	20390
		Total:	40950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/10/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100316

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4633	20160
		4617	20860
		Total:	41020
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100316

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4644	22800
			0
		Total:	22800
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/10/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4617		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4622		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4626		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4627		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4633		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4636		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4641		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4644		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4647		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204400	21560	22510	21540	21820	20560	20390	20160	20860	22800
	0840-01-511	Bag #	4647	4641	4636	4622	4626	4627	4633	4617	4644
	Storage Loc.										
100316	12/10/2003	204400	182840	160330	138790	116970	96410	76020	55860	35000	12200

Shipment Survey

Survey Number: GTEOSI 9150 Date: 12-2-03 Time: 1132

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4547 Storage Bin: 55 Gross Weight: 21340 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	< MDA	28	< MDA
2	~~0~~		30	
3	~~0~~		20	
4	1		31	
5	~~0~~		28	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07234-S-11N214547-12.0

Date: 12/02/03 Time:1147

12-02-03 11:32 Bag# 4547

21340 lb GR

120203 1132 4547 0021340

Shipment Survey

Survey Number: GTEOSI 9156 Date: 12-2-03 Time: 1545

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4553 Storage Bin: 56 Gross Weight: 24640 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	31	<MDA
2	1		35	
3	0		24	
4	2		32	
5	0		22	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07245-S-11M214553-12.0

Date: 12/02/03 Time: 1556

12-02-03 15:45 Bag# 4553

24640 lb GR

120203 1545 4553 0024640

Shipment Survey

Survey Number: GTEOSI 9187 Date: 12-3-03 Time: 1535

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4580 Storage Bin: 61 Gross Weight: 25420 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	33	<MDA
2	1		19	
3	0		28	
4	3		31	
5	0		37	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07281-S-11M214580-14.0
Date: 12/03/03 Time:1521

12-03-03 15:35 Bag# 4580
25420 lb GR
120303 1535 4580 0025420

Shipment Survey

Survey Number: GTEOSI 9638 Date: 12-5-03 Time: 0814

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4609 Storage Bin: 44 Gross Weight: 18910 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	26	<MDA
2	~~0~~		26	
3	4		34	
4	~~0~~		20	
5	~~0~~		35	
6	~~0~~		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoge — Surveyor Name

Debra R Page — Surveyor Signature

Supervisor Approval

07320-S-05S044609-01.0
Date: 12/04/03 Time:1051

12-05-03 8:14 Bag# 4609
18910 lb GR
120503 0814 4609 0018910

Shipment Survey

Survey Number: GTEOSI 9645 Date: 12-5-03 Time: 0925

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4643 Storage Bin: 45 Gross Weight: ~~22100~~ lbs JB 5/5/05

23200 - lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	31	<MDA
2	Ø		33	
3	1		26	
4	1		31	
5	1		33	
6	Ø		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBoff — Surveyor Name

Surveyor Signature

Supervisor Approval

07361-S-055044643-06.0

Date: 12/05/03 Time:0901

23250 - lbs

12-05-03 9:25 Bag# 4643

~~22100 lb GR~~

120503 0925 4643 0022100

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9675 Date: 12-5-03 Time: 1238

Waste Container Type: Super Sack Intermodal Other: NA HB 5/5/05

Waste Container ID #: 4670 Storage Bin: 52 Gross Weight: ~~22120~~ lbs

202500-lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

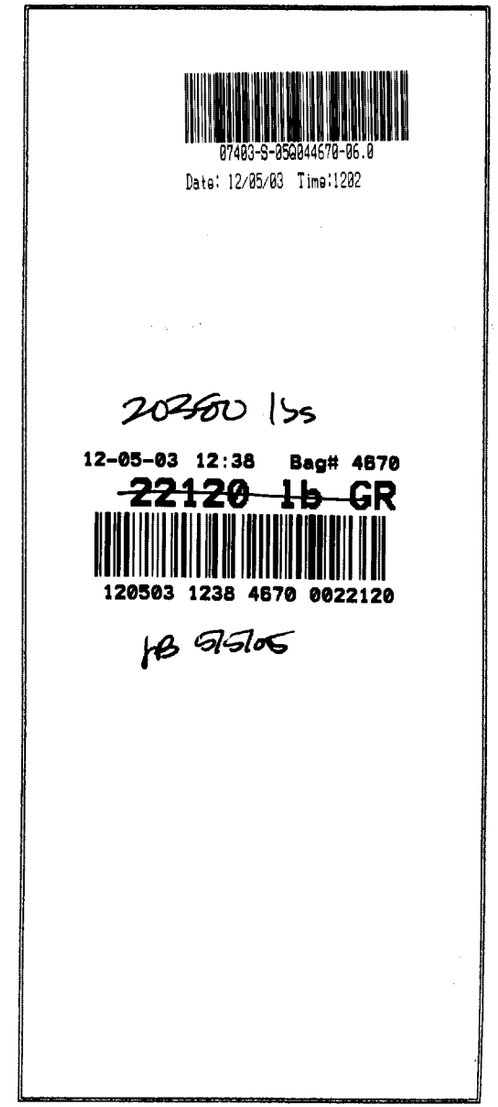
	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	28	<MDA
2	1		33	
3	1		25	
4	0		31	
5	0		26	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval



Shipment Survey

Survey Number: GTEOSI 9712 Date: 12-6-03 Time: 1215

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4716 Storage Bin: 62 Gross Weight: 24260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	24	<MDA
2	0		31	
3	0		31	
4	0		33	
5	2		25	
6	0		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeBlanc
Surveyor Name

Surveyor Signature

Supervisor Approval

07453-S-050054716-06.0
Date: 12/06/03 Time:1223

12-06-03 12:15 Bag# 4716
24260 lb GR
120603 1215 4716 0024260

Shipment Survey

Survey Number: GTEOSI 9729 Date: 12-8-03 Time: 1104

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4734 Storage Bin: 38 Gross Weight: 24870 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	33	<MDA
2	1		28	
3	~~0~~		27	
4	~~0~~		24	
5	~~0~~		18	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

S. A
Supervisor Approval

07476-S-050054734-06.0
Date: 12/08/03 Time:1140

12-08-03 11:04 Bag# 4734
24870 lb GR
120803 1104 4734 0024870

Revised 12/10/03

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 8

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-512
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5238
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt: George Amato
DATE: 12/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-512

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0293E+00	1.6296E-01	NA	21340 LBS; 169 FT3	4547
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.5060E+01	6.7731E-01	NA	24640 LBS; 195 FT3	4553
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3052E+00	1.9744E-01	NA	25420 LBS; 201 FT3	4580
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8489E+01	1.0403E+00	NA	18910 LBS; 149 FT3	4609
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.1536E+00	1.1226E-01	NA	23200 LBS; 183 FT3	4643
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0548E+01	5.5535E-01	NA	20380 LBS; 161 FT3	4670

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-512

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.9625E+00	1.0709E-01	NA	24260 LBS; 192 FT3	4716
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8752E+00	2.1284E-01	NA	24870 LBS; 197 FT3	4734

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
8	m3	40.9744	kg	82726.1818	NP	NP	NP	NP
	ft3	1447.0000	ton	91.1900				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.0975E+02	NP	NP	NP	NP	(kg)	5.3052E+00
mCi	2.9661E+00	NP	NP	NP	NP	(tons)	5.8479E-03

2. MANIFEST NUMBER 0840-01-512

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-512

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4547/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9679.6618	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.6224E-07 kg]	3.52979E-01	1.2606E-01	3.4070E-03	AU
		169.0000	10.6700	0.0100	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.2389E-01 kg]	1.41191E+00	5.0424E-01	1.3628E-02	
												U-nat [2.0552E-01 kg]	1.51180E+01	5.3990E+00	1.4592E-01	
												Subtotal		6.0293E+00	1.6296E-01	
												Total Source [3.2941E-01 kg]		6.0293E+00	1.6296E-01	
4553/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.5218	11176.5167	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.5218	100	OXIDES/NONE	0.00	Th-230 [1.5069E-07 kg]	2.83794E-01	1.1708E-01	3.1644E-03	AU
		195.0000	12.3200	0.0100	<2.2000E+02	<2.2000E+03		195.0000				Th-232 [1.1507E-01 kg]	1.13518E+00	4.6835E-01	1.2658E-02	
												U-nat [9.3167E-01 kg]	5.93247E+01	2.4475E+01	6.6149E-01	
												Subtotal		2.5060E+01	6.7731E-01	
												Total Source [1.0467E+00 kg]		2.5060E+01	6.7731E-01	
4580/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.6917	11530.3188	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.6917	100	OXIDES/NONE	0.00	Th-230 [6.9236E-07 kg]	1.26383E+00	5.3798E-01	1.4540E-02	AU
		201.0000	12.7100	0.0200	<2.2000E+02	<2.2000E+03		201.0000				Th-232 [5.2871E-01 kg]	5.05532E+00	2.1518E+00	5.8158E-02	
												U-nat [1.7569E-01 kg]	1.08426E+01	4.6154E+00	1.2474E-01	
												Subtotal		7.3052E+00	1.9744E-01	
												Total Source [7.0440E-01 kg]		7.3052E+00	1.9744E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-512

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4609/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.2192	8577.4323	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2192	100	OXIDES/NONE	0.00	Th-230 [1.9098E-07 kg]	4.69149E-01	1.4840E-01	4.0107E-03	AU
												Th-232 [1.4584E-01 kg]	1.87660E+00	5.9359E-01	1.6043E-02	
		149.0000	9.4550	0.0200	<2.2000E+02	<2.2000E+03		149.0000				U-nat [1.4369E+00 kg]	1.19340E+02	3.7747E+01	1.0202E+00	
												Subtotal		3.8489E+01	1.0403E+00	
												Total Source [1.5828E+00 kg]		3.8489E+01	1.0403E+00	
4643/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1820	10523.3437	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1820	100	OXIDES/NONE	0.00	Th-230 [7.0863E-08 kg]	1.41773E-01	5.5060E-02	1.4881E-03	AU
												Th-232 [5.4113E-02 kg]	5.67092E-01	2.2024E-01	5.9525E-03	
		183.0000	11.6000	0.0200	<2.2000E+02	<2.2000E+03		183.0000				U-nat [1.4763E-01 kg]	9.98569E+00	3.8783E+00	1.0482E-01	
												Subtotal		4.1536E+00	1.1226E-01	
												Total Source [2.0174E-01 kg]		4.1536E+00	1.1226E-01	
4670/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.5590	9244.2131	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [1.2117E-07 kg]	2.76099E-01	9.4150E-02	2.5446E-03	AU
												Th-232 [9.2530E-02 kg]	1.10440E+00	3.7659E-01	1.0178E-02	
		161.0000	10.1900	0.0200	<2.2000E+02	<2.2000E+03		161.0000				U-nat [7.6427E-01 kg]	5.88780E+01	2.0077E+01	5.4263E-01	
												Subtotal		2.0548E+01	5.5535E-01	
												Total Source [8.5680E-01 kg]		2.0548E+01	5.5535E-01	
4716/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.4368	11004.1516	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.4368	100	OXIDES/NONE	0.00	Th-230 [7.3574E-08 kg]	1.40745E-01	5.7169E-02	1.5451E-03	AU
												Th-232 [5.6184E-02 kg]	5.62979E-01	2.2867E-01	6.1802E-03	
		192.0000	12.1300	0.0200	<2.2000E+02	<2.2000E+03		192.0000				U-nat [1.3996E-01 kg]	9.05191E+00	(3.6767E+00)	(9.9369E-02)	
												Subtotal		2.8584E-01	7.7253E-03	
												Total Source [1.9614E-01 kg]		2.8584E-01	7.7253E-03	
4734/GTEOSI	19 Strong Tight Container Loaded In Gondola	5.5784	11280.8430	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.5784	100	OXIDES/NONE	0.00	Th-230 [1.4193E-07 kg]	2.64823E-01	1.1028E-01	2.9805E-03	AU
												Th-232 [1.0838E-01 kg]	1.05929E+00	4.4111E-01	1.1922E-02	
		197.0000	12.4350	0.0200	<2.2000E+02	<2.2000E+03		197.0000				U-nat [2.7879E-01 kg]	1.75877E+01	7.3238E+00	1.9794E-01	
												Subtotal		7.8752E+00	2.1284E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-512

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.8718E-01 kg]		7.8752E+00	2.1284E-01	
Shipment Totals		40.9744	83016.4810									Source [5.3052E+00 kg]		1.0975E+02	2.9661E+00	
		1447.0000	91.5100													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-512
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-512
Envirocare of Utah, Inc.

	Total Activity	
Isotope	**(MBq)**	**(mCi)**
Th-230	1.2462E+00	3.3680E-02
Th-232	4.9846E+00	1.3472E-01
U-nat	1.0719E+02	2.8971E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

Revised 12/16/03

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 8

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-512
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5238

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/09/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/16/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-512

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66374

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12/22/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/16/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0293E+00	1.6296E-01	NA	21340 LBS; 169 FT3	4547
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]	Th-230	Th-232	U-nat	2.5060E+01	6.7731E-01	NA	24640 LBS; 195 FT3	4553
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				7.3052E+00	1.9744E-01	NA	25420 LBS; 201 FT3	4580
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				3.8489E+01	1.0403E+00	NA	18910 LBS; 149 FT3	4609
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				4.1536E+00	1.1226E-01	NA	23200 LBS; 183 FT3	4643
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				2.0548E+01	5.5535E-01	NA	20380 LBS; 161 FT3	4670

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

A. HAZARD[redacted]esents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this ship[redacted]mpanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-512	LI RR	MHFX 5238

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-10-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5238

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4553	24640
		4547	21340
		Total:	45980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/10/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MHFX
5238

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4734	24870
		4670	22120
		Total:	46990
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5238

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
	4643	~~4341~~	22100 ~~24460~~
		4609	18910
		Total:	43370
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/10/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5238

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4580	25420
		4716	24260
		Total:	49680
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/10/2003
Transporter	Signature		Date
Priority Transport			12/10/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/10/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4547		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4553		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4580		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4609		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4643		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4670		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4716		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4734		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	200000	**24640**	**21340**	22100	**18910**	**24870**	**22120**	**25420**	**24260**
slw	0840-01-512	Bag #	**4553**	**4547**	4643	**4609**	**4734**	**4670**	**4580**	**4716**
	Storage Loc.		**slw**	**slw**		**slw**	**slw**	**slw**	**slw**	**slw**
5238	12/10/2003	200000	175360	154020	131920	113010	88140	66020	40600	16340

Shipment Survey

Survey Number: GTEOSI 9652 Date: 12-5-03 Time: 1016

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4649 Storage Bin: 47 Gross Weight: ~~21200~~ lbs

20860 - lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	37	<MDA
2	0		29	
3	0		37	
4	1		31	
5	0		26	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA L Page — L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07374-S-05S044649-06.0

Date: 12/05/03 Time:1036

20860 - lbs

12-05-03 10:16 Bag# 4649

~~21200 lb~~ GR

120503 1016 4649 0021200

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9651 Date: 12-5-03 Time: 1008

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4650 Storage Bin: 47 Gross Weight: ~~21820~~ lbs

20730 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	31	<MDA
2	1		33	
3	1		29	
4	0		31	
5	0		23	
6	4		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy
Surveyor Name

Surveyor Signature

Supervisor Approval

07375-S-119214650-24.0
Date: 12/05/03 Time:1040

20730

12-05-03 10:08 Bag# 4650

~~21820 lb~~ GR

120503 1008 4650 0021820

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9654 Date: 12-5-03 Time: 1020

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4651 Storage Bin: 48 Gross Weight: ~~21990~~ lbs

21300 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	2	<MDA	27	<MDA
2	~~0~~		30	
3	~~0~~		31	
4	1		30	
5	2		18	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBlanc — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07376-S-05S044651-06.0

Date: 12/05/03 Time:1039

21300 lbs

12-05-03 10:20 Bag# 4651

~~21990 lb~~ GR

120503 1020 4651 0021990

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9653 Date: 12-5-03 Time: 1012

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4652 Storage Bin: 47 Gross Weight: ~~22390~~ lbs JB 5/5/05

21820 - lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	28	<MDA
2	1		15	
3	~~0~~		36	
4	~~0~~		35	
5	~~0~~		26	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFace — Surveyor Name

Surveyor Signature

Supervisor Approval

07377-S-110214652-24.0

Date: 12/05/03 Time:1041

21820 - lbs

12-05-03 10:12 Bag# 4652

~~22390~~ lb GR

120503 1012 4652 0022390

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9655 Date: 12-5-03 Time: 1024

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4655 Storage Bin: 48 Gross Weight: ~~22070~~ lbs JB 5/5/05

22800 - lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	30	<MDA
2	~~0~~		28	
3	~~0~~		31	
4	~~0~~		32	
5	~~0~~		29	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoge Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07378-S-110214655-24.0

Date: 12/05/03 Time: 1044

22800 - lbs

12-05-03 10:24 Bag# 4655

~~22070 lb~~ GR

120503 1024 4655 0022070

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9678 Date: 12-5-03 Time: 1329

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4677 Storage Bin: 54 Gross Weight: ~~22510~~ lbs JB 5/5/05

21330 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	LMDA	30	LMDA
2	2		29	
3	~~0~~		38	
4	~~0~~		32	
5	~~0~~		21	
6	~~0~~		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07497-S-050044677-06.0
Date: 12/05/03 Time:1328

21330 lbs

12-05-03 13:29 Bag# 4677
~~22510~~ lb GR
120503 1329 4677 0022510

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9685 Date: 12-5-03 Time: 1454

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4679 Storage Bin: 55 Gross Weight: ~~20750~~ lbs

22400 lbs ~~20750~~ lbs JB 5/5/05 JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	22	<MDA
2	1		31	
3	2		30	
4	0		34	
5	2		27	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07414-S-11N214679-16.0
Date: 12/05/03 Time:1422

22400 - lbs JB 5/5/05
~~20750~~ lbs JB 5/5/05

12-05-03 14:52 Bag# 4679
~~20750 lb GR~~

120503 1452 4679 0020750

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9679 Date: 12-5-03 Time: 1334

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4680 Storage Bin: 54 Gross Weight: ~~21570~~ lbs JB 5/5/05

20220 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	0		33	
3	0		31	
4	0		27	
5	1		32	
6	0		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07409-S-05R044680-06.0
Date: 12/05/03 Time:1343

20220 lbs

12-05-03 13:46 Bag# 4680
~~21570~~ lb GR
120503 1346 4680 0021570

JB 5/5/05

Shipment Survey

Survey Number: GTE05I 9680 Date: 12-5-03 Time: 1346

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4681 Storage Bin: 54 Gross Weight: ~~22000~~ lbs JB 5/5/05

20570 - lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	22	<MDA
2	1		26	
3	2		37	
4	0		33	
5	0		22	
6	0		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

S. [illegible]
Supervisor Approval

07410-S-05R044681-06.0
Date: 12/05/03 Time:1346

20570 lbs

12-05-03 13:46 Bag# 4681

~~22000~~ lb GR

120503 1346 4681 0022000

JB 5-5-05

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-513
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100062

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amado
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-513

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7991E+01	1.0268E+00	NA	20860 LBS; 165 FT3	4649
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6071E+01	1.2451E+00	NA	20730 LBS; 164 FT3	4650
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1892E+01	3.2140E-01	NA	21300 LBS; 168 FT3	4651
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1520E+01	3.1136E-01	NA	21820 LBS; 173 FT3	4652
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0559E+01	5.5565E-01	NA	22800 LBS; 180 FT3	4655
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.6441E+01	4.4436E-01	NA	21330 LBS; 169 FT3	4677

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-513

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0121E+00	1.8951E-01	NA	22480 LBS; 178 FT3	4679
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4038E+00	1.7307E-01	NA	20220 LBS; 160 FT3	4680
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	8.1461E+00	2.2016E-01	NA	20570 LBS; 163 FT3	4681

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.0415 ft3 1520.0000	kg 86813.0495 ton 95.6950	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.6604E+02	NP	NP	NP	NP	(kg)	7.2433E+00
mCi	4.4874E+00	NP	NP	NP	NP	(tons)	7.9844E-03

2. MANIFEST NUMBER 0840-01-513

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-513

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4649/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9461.9375	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [1.7492E-07 kg]	3.89362E-01	1.3591E-01	3.6733E-03	AU
		165.0000	10.4300	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [1.3357E-01 kg]	1.55745E+00	5.4364E-01	1.4693E-02	
												U-nat [1.4203E+00 kg]	1.06892E+02	3.7311E+01	1.0084E+00	
												Subtotal		3.7991E+01	1.0268E+00	
												Total Source [1.5539E+00 kg]		3.7991E+01	1.0268E+00	
4650/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9402.9705	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [2.0992E-07 kg]	4.70213E-01	1.6311E-01	4.4083E-03	AU
		164.0000	10.3650	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.6030E-01 kg]	1.88085E+00	6.5242E-01	1.7633E-02	
												U-nat [1.7227E+00 kg]	1.30464E+02	4.5255E+01	1.2231E+00	
												Subtotal		4.6071E+01	1.2451E+00	
												Total Source [1.8830E+00 kg]		4.6071E+01	1.2451E+00	
4651/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9661.5181	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [1.4361E-07 kg]	3.13050E-01	1.1159E-01	3.0159E-03	AU
		168.0000	10.6500	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [1.0967E-01 kg]	1.25220E+00	4.4637E-01	1.2064E-02	
												U-nat [4.3144E-01 kg]	3.17960E+01	1.1334E+01	3.0632E-01	
												Subtotal		1.1892E+01	3.2140E-01	
												Total Source [5.4110E-01 kg]		1.1892E+01	3.2140E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-513

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4652/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9897.3862	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [1.4295E-07 kg]	3.04149E-01	1.1107E-01	3.0019E-03	AU
		173.0000	10.9100	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [1.0916E-01 kg]	1.21660E+00	4.4430E-01	1.2008E-02	
												U-nat [4.1739E-01 kg]	3.00251E+01	1.0965E+01	2.9635E-01	
												Subtotal		1.1520E+01	3.1136E-01	
												Total Source [5.2655E-01 kg]		1.1520E+01	3.1136E-01	
4655/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10341.9067	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [9.4841E-08 kg]	1.93085E-01	7.3693E-02	1.9917E-03	AU
		180.0000	11.4000	0.0200	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [7.2424E-02 kg]	7.72340E-01	2.9476E-01	7.9666E-03	
												U-nat [7.6857E-01 kg]	5.29029E+01	2.0191E+01	5.4569E-01	
												Subtotal		2.0559E+01	5.5565E-01	
												Total Source [8.4100E-01 kg]		2.0559E+01	5.5565E-01	
4677/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9675.1259	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.6601E-07 kg]	3.61348E-01	1.2899E-01	3.4861E-03	AU
		169.0000	10.6650	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.2677E-01 kg]	1.44539E+00	5.1593E-01	1.3944E-02	
												U-nat [6.0131E-01 kg]	4.42531E+01	1.5796E+01	4.2693E-01	
												Subtotal		1.6441E+01	4.4436E-01	
												Total Source [7.2808E-01 kg]		1.6441E+01	4.4436E-01	
4679/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10196.7572	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [1.7842E-07 kg]	3.68440E-01	1.3864E-01	3.7469E-03	AU
		178.0000	11.2400	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [1.3625E-01 kg]	1.47376E+00	5.5456E-01	1.4988E-02	
												U-nat [2.4054E-01 kg]	1.67933E+01	6.3189E+00	1.7078E-01	
												Subtotal		7.0121E+00	1.8951E-01	
												Total Source [3.7679E-01 kg]		7.0121E+00	1.8951E-01	
4680/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9171.6383	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.7509E-07 kg]	4.02128E-01	1.3605E-01	3.6769E-03	AU
		160.0000	10.1100	0.0200	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [1.3371E-01 kg]	1.60851E+00	5.4420E-01	1.4708E-02	
												U-nat [2.1788E-01 kg]	1.69182E+01	5.7235E+00	1.5469E-01	
												Subtotal		6.4038E+00	1.7307E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-513

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.5158E-01 kg]		6.4038E+00	1.7307E-01	
4681/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9330.3957	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [2.1316E-07 kg]	4.81206E-01	1.6563E-01	4.4764E-03	AU
		163.0000	10.2850	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [1.6278E-01 kg]	1.92482E+00	6.6252E-01	1.7906E-02	
												U-nat [2.7857E-01 kg]	2.12613E+01	7.3179E+00	1.9778E-01	
												Subtotal		8.1461E+00	2.2016E-01	
												Total Source [4.4135E-01 kg]		8.1461E+00	2.2016E-01	
Shipment Totals		43.0415	87139.6361									Source [7.2433E+00 kg]		1.6604E+02	4.4874E+00	
		1520.0000	96.0550													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-513
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-513
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1647E+00	3.1477E-02
Th-232	4.6586E+00	1.2591E-01
U-nat	1.6021E+02	4.3301E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	517	12/23/2003	1/15/2004	1526.00	A
0840	01	513	12/23/2003	1/15/2004	1520.00	A
0840	01	531	12/29/2003	1/17/2004	1512.00	A
0840	01	518	12/29/2003	1/17/2004	1533.00	A
0840	01	521	12/29/2003	1/17/2004	1504.00	A
0840	01	522	12/29/2003	1/17/2004	1552.00	A
0840	01	529	12/29/2003	1/17/2004	1562.00	A
0840	01	528	12/29/2003	1/17/2004	1536.00	A
0840	01	544	12/31/2003	1/17/2004	1522.00	A
0840	01	523	12/31/2003	1/17/2004	1551.00	A
0840	01	554	12/31/2003	1/17/2004	1513.00	A
0840	01	553	12/31/2003	1/17/2004	1526.00	A
0840	01	552	12/31/2003	1/17/2004	1528.00	A
0840	01	550	12/31/2003	1/17/2004	1653.00	A
0840	01	548	12/31/2003	1/17/2004	1485.00	A
0840	01	546	12/31/2003	1/17/2004	1507.00	A
0840	01	545	12/31/2003	1/17/2004	1501.00	A
0840	01	534	12/31/2003	1/17/2004	1501.00	A
0840	01	520	12/31/2003	1/17/2004	1541.00	A
0840	01	519	12/31/2003	1/17/2004	1497.00	A
0840	01	524	12/31/2003	1/17/2004	1507.00	A
0840	01	526	12/31/2003	1/17/2004	1548.00	A
0840	01	527	12/31/2003	1/17/2004	1577.00	A
0840	01	525	12/31/2003	1/17/2004	1528.00	A
0840	01	533	12/31/2003	1/17/2004	1551.00	A
0840	01	543	12/31/2003	1/17/2004	1515.00	A
0840	01	535	12/31/2003	1/17/2004	1529.00	A
0840	01	537	12/31/2003	1/17/2004	1506.00	A
0840	01	538	12/31/2003	1/17/2004	1528.00	A
0840	01	539	12/31/2003	1/17/2004	1556.00	A
0840	01	541	12/31/2003	1/17/2004	1589.00	A
0840	01	542	12/31/2003	1/17/2004	1523.00	A
0840	01	532	12/31/2003	1/17/2004	1532.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-513
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100062
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/10/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-513

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L66437

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12-24-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/10/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7991E+01	1.0268E+00	NA	20860 LBS; 165 FT3	4649
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.6071E+01	1.2451E+00	NA	20730 LBS; 164 FT3	4650
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / O[redacted]				1.1892E+01	3.2140E-01	NA	21300 LBS; 168 FT3	4651
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / O[redacted]				1.1520E+01	3.1136E-01	NA	21820 LBS; 173 FT3	4652
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / O[redacted]				2.0559E+01	5.5565E-01	NA	22800 LBS; 180 FT3	4655
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / O[redacted]				1.6441E+01	4.4436E-01	NA	21330 LBS; 169 FT3	4677

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

[redacted] that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a [redacted]arate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-513	LIRR	MWCX 100062

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-11-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100062

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4649	21200
		4651	21990
		Total:	43190
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100062

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4677	22510
		4679	20750
		Total:	43260
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100062

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4650	21820
		4652	22390
		Total:	44210
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100062

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4680	21570
		4681	22000
		Total:	43570
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100062

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4655	22070
			0
		Total:	22070
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1			
2			

Gondola has been inspected for proper marking and labeling. Int. _____

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4649		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4650		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4651		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4652		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4655		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4677		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4679		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4680		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4681		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	210800	21570	22000	22510	20750	21820	22390	21200	21990	22070
	0840-01-513	Bag #	4680	4681	4677	4679	4650	4652	4649	4651	4655
	Storage Loc.										
100062	12/11/2003	210800	189230	167230	144720	123970	102150	79760	58560	36570	14500

Shipment Survey

Survey Number: GTEOSI 9659 Date: 12-5-03 Time: 1041

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4654 Storage Bin: 49 Gross Weight: ~~21280~~ lbs

21790 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	35	LMDA
2	0		28	
3	0		32	
4	2		25	
5	0		23	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy Debra LeRoy

Surveyor Name Surveyor Signature

Supervisor Approval

07386-S-05R044654-06.0

Date: 12/05/03 Time:1108

21790 lbs 5/5/05

12-05-03 10:41 Bag# 4654

~~21280 lb~~ GR

120503 1041 4654 0021280

JB

Shipment Survey

Survey Number: GTEOSI 9656 Date: 12-5-03 Time: 1028

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4656 Storage Bin: 48 Gross Weight: ~~23200~~ lbs

20870 lbs JB 5/5/5

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	LMDA	43	LMDA
2	~~0~~		22	
3	~~0~~		27	
4	~~0~~		30	
5	1		22	
6	~~0~~		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage — Surveyor Name

Surveyor Signature

Supervisor Approval

07379-S-110214656-24.0

Date: 12/05/03 Time:1047

20870 lbs

12-05-03 10:28 Bag# 4656

~~23200 lb~~ GR

120503 1028 4656 0023200

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9658 Date: 12-5-03 Time: 1035

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4657 Storage Bin: 49 Gross Weight: 21520 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	34	<MDA
2	1		25	
3	2		27	
4	~~0~~		34	
5	5		35	
6	~~0~~		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeCage — Debra LeCage

Surveyor Name — Surveyor Signature

Robert Hoff

Supervisor Approval

07383-S-11Q214657-24.0

Date: 12/05/03 Time:1103

12-05-03 10:35 Bag# 4657

21520 lb GR

120503 1035 4657 0021520

Shipment Survey

Survey Number: GTEOSI 9660 Date: 12-5-03 Time: 1046

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4658 Storage Bin: 49 Gross Weight: ~~21090~~ lbs

20770 JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	30	<MDA
2	1		28	
3	4		28	
4	~~0~~		35	
5	2		27	
6	1		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07384-S-110214658-24.0
Date: 12/05/03 Time:1105

20770 lbs

12-05-03 10:46 Bag# 4658
~~21090~~ lb GR
120503 1046 4658 0021090

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9662 Date: 12-5-03 Time: 1053

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4659 Storage Bin: 50 Gross Weight: ~~23460~~ lbs

21790 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	30	<MDA
2	2		31	
3	3		32	
4	2		35	
5	4		30	
6	~~0~~		23	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy — Debra LeRoy

Surveyor Name — Surveyor Signature

Supervisor Approval

07385-S-110214659-16.0

Date: 12/05/03 Time:1110

21790 lbs

12-05-03 10:53 Bag# 4659

~~23460 lb~~ GR

120503 1053 4659 0023460

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9661 Date: 12-5-03 Time: 1049

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4660 Storage Bin: 49 Gross Weight: ~~23390~~ lbs

19530-lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LIMDA	36	LIMDA
2	0		40	
3	1		30	
4	3		27	
5	0		24	
6	1		17	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFage Debra L Page

Surveyor Name Surveyor Signature

Supervisor Approval

07397-S-05R044660-06.0

Date: 12/05/03 Time: 1112

19530-lbs

12-05-03 10:49 Bag# 4660

~~23390 lb~~ GR

120503 1049 4660 0023390

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9663 Date: 12-5-03 Time: 1057

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4662 Storage Bin: 50 Gross Weight: 21720 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	34	<MDA
2	~~0~~		28	
3	2		41	
4	2		32	
5	~~0~~		23	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07388-S-05R044662-06.0
Date: 12/05/03 Time:1115

12-05-03 10:57 Bag# 4662
21720 lb GR
120503 1057 4662 0021720

Shipment Survey

Survey Number: GTEOSI 9664 Date: 12-5-03 Time: 1105

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4664 Storage Bin: 50 Gross Weight: 21450 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	32	<MDA
2	7		37	
3	1		22	
4	1		31	
5	3		39	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07395-S-05S044664-06.0
Date: 12/05/03 Time:1132

12-05-03 11:05 Bag# 4664
21450 lb GR
120503 1105 4664 0021450

Shipment Survey

Survey Number: GTEOSI 9674 Date: 12-5-03 Time: 1133

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4668 Storage Bin: 51 Gross Weight: 20580 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	LMDA	31	LMDA
2	Ø		34	
3	1		26	
4	Ø		34	
5	Ø		25	
6	Ø		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07398-S-11N224668-16.0

Date: 12/05/03 Time:1149

12-05-03 11:33 Bag# 4668

20580 lb GR

120503 1133 4668 0020580

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-514
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100058

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-514

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*:
DATE:

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2905E+01	3.4879E-01	NA	21790 LBS; 172 FT3	4654
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3479E+01	1.1751E+00	NA	20870 LBS; 165 FT3	4656
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4172E+00	1.4641E-01	NA	21520 LBS; 170 FT3	4657
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.3848E+00	1.1851E-01	NA	20770 LBS; 164 FT3	4658
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3818E+00	2.5356E-01	NA	21790 LBS; 172 FT3	4659
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.4027E+01	6.4940E-01	NA	19530 LBS; 154 FT3	4660

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-514

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6072E+00	2.0560E-01	NA	21720 LBS; 172 FT3	4662
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3619E+01	3.6807E-01	NA	21450 LBS; 170 FT3	4664
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.4364E+00	2.0098E-01	NA	20580 LBS; 163 FT3	4668

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3	42.5320	kg	85865.0414	NP	NP	NP	NP
	ft3	1502.0000	ton	94.6500				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.2826E+02	NP	NP	NP	NP	(kg)	5.6492E+00
mCi	3.4664E+00	NP	NP	NP	NP	(tons)	6.2272E-03

2. MANIFEST NUMBER 0840-01-514

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-514

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4654/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9883.7784	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.1110E-07 kg]	2.36702E-01	8.6321E-02	2.3330E-03	AU
		172.0000	10.8950	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [8.4837E-02 kg]	9.46809E-01	3.4529E-01	9.3321E-03	
												U-nat [4.7482E-01 kg]	3.42032E+01	1.2473E+01	3.3712E-01	
												Subtotal		1.2905E+01	3.4879E-01	
												Total Source [5.5965E-01 kg]		1.2905E+01	3.4879E-01	
4656/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9466.4734	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [1.9142E-07 kg]	4.25887E-01	1.4873E-01	4.0198E-03	AU
		165.0000	10.4350	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [1.4617E-01 kg]	1.70355E+00	5.9492E-01	1.6079E-02	
												U-nat [1.6268E+00 kg]	1.22371E+02	4.2735E+01	1.1550E+00	
												Subtotal		4.3479E+01	1.1751E+00	
												Total Source [1.7730E+00 kg]		4.3479E+01	1.1751E+00	
4657/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9761.3084	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [2.0694E-07 kg]	4.46454E-01	1.6079E-01	4.3457E-03	AU
		170.0000	10.7600	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.5803E-01 kg]	1.78582E+00	6.4317E-01	1.7383E-02	
												U-nat [1.7561E-01 kg]	1.28092E+01	4.6132E+00	1.2468E-01	
												Subtotal		5.4172E+00	1.4641E-01	
												Total Source [3.3363E-01 kg]		5.4172E+00	1.4641E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-514

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4658/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9421.1141	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.7273E-07 kg]	3.86170E-01	1.3421E-01	3.6274E-03	AU
		164.0000	10.3850	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.3191E-01 kg]	1.54468E+00	5.3687E-01	1.4510E-02	
												U-nat [1.4137E-01 kg]	1.06854E+01	3.7137E+00	1.0037E-01	
												Subtotal		4.3848E+00	1.1851E-01	
												Total Source [2.7327E-01 kg]		4.3848E+00	1.1851E-01	
4659/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9883.7784	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [9.1174E-08 kg]	1.94255E-01	7.0844E-02	1.9147E-03	AU
		172.0000	10.8950	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [6.9624E-02 kg]	7.77021E-01	2.8337E-01	7.6586E-03	
												U-nat [3.4364E-01 kg]	2.47541E+01	9.0276E+00	2.4399E-01	
												Subtotal		9.3818E+00	2.5356E-01	
												Total Source [4.1326E-01 kg]		9.3818E+00	2.5356E-01	
4660/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.3608	8858.6596	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.3608	100	OXIDES/NONE	0.00	Th-230 [1.3834E-07 kg]	3.29007E-01	1.0749E-01	2.9052E-03	AU
		154.0000	9.7650	0.0200	<2.2000E+02	<2.2000E+03		154.0000				Th-232 [1.0565E-01 kg]	1.31603E+00	4.2998E-01	1.1621E-02	
												U-nat [8.9418E-01 kg]	7.18967E+01	2.3490E+01	6.3487E-01	
												Subtotal		2.4027E+01	6.4940E-01	
												Total Source [9.9983E-01 kg]		2.4027E+01	6.4940E-01	
4662/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9852.0269	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [5.7617E-08 kg]	1.23156E-01	4.4770E-02	1.2100E-03	AU
		172.0000	10.8600	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [4.3998E-02 kg]	4.92624E-01	1.7907E-01	4.8398E-03	
												U-nat [2.8105E-01 kg]	2.03109E+01	7.3834E+00	1.9955E-01	
												Subtotal		7.6072E+00	2.0560E-01	
												Total Source [3.2505E-01 kg]		7.6072E+00	2.0560E-01	
4664/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9729.5570	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [7.0496E-08 kg]	1.52589E-01	5.4775E-02	1.4804E-03	AU
		170.0000	10.7250	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [5.3833E-02 kg]	6.10355E-01	2.1910E-01	5.9217E-03	
												U-nat [5.0798E-01 kg]	3.71747E+01	1.3345E+01	3.6067E-01	
												Subtotal		1.3619E+01	3.6807E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-514

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.6182E-01 kg]		1.3619E+01	3.6807E-01	
4668/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.6156 163.0000	9334.9316 10.2900	0.0002 0.0200	<3.6740E-06 <2.2000E+02	<3.6740E-05 <2.2000E+03	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156 163.0000	100	OXIDES/NONE	0.00	Th-230 [2.0572E-07 kg] Th-232 [1.5710E-01 kg] U-nat [2.5265E-01 kg] Subtotal	4.64184E-01 1.85674E+00 1.92739E+01	1.5985E-01 6.3940E-01 6.6371E+00 7.4364E+00	4.3202E-03 1.7281E-02 1.7938E-01 2.0098E-01	AU
												Total Source [4.0975E-01 kg]		7.4364E+00	2.0098E-01	
Shipment Totals		42.5320 1502.0000	86191.6278 95.0100									Source [5.6492E+00 kg]		1.2826E+02	3.4664E+00	

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-514
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-514
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	9.6778E-01	2.6156E-02
Th-232	3.8711E+00	1.0463E-01
U-nat	1.2342E+02	3.3356E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1628.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-514
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100058
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-514

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12-24-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2905E+01	3.4879E-01	NA	21790 LBS; 172 FT3	4654
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				4.3479E+01	1.1751E+00	NA	20870 LBS; 165 FT3	4656
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				5.4172E+00	1.4641E-01	NA	21520 LBS; 170 FT3	4657
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				4.3848E+00	1.1851E-01	NA	20770 LBS; 164 FT3	4658
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				9.3818E+00	2.5356E-01	NA	21790 LBS; 172 FT3	4659
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]				2.4027E+01	6.4940E-01	NA	19530 LBS; 154 FT3	4660

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-514	LI RR	MWCX 100058

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-11-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100058

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4656	23200
			0
		Total:	23200
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100058

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4658	21090
		4660	23390
		Total:	44480
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100058

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4662	21720
		4657	21520
		Total:	43240
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100058

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4659	23460
		4664	21450
		Total:	44910
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100058

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4654	21280
		4668	20580
		Total:	41860
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	210000	23200	21090	23390	21720	21520	21280	20580	23460	21450
	0840-01-514	Bag #	4656	4658	4660	4662	4657	4654	4668	4659	4664
	Storage Loc.										
100058	12/11/2003	210000	186800	165710	142320	120600	99080	77800	57220	33760	12310

Daily Shipping checklist for Trucks and Packages

Date: 12/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4654		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4656		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4657		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4658		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4659		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4660		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4662		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4664		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4668		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9665 Date: 12-5-03 Time: 1109

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4661 Storage Bin: 50 Gross Weight: ~~20990~~ lbs

21620 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	37	<MDA
2	0		28	
3	1		31	
4	0		24	
5	0		26	
6	0	↓	21	↓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LaPage — Debra LaPage

Surveyor Name — Surveyor Signature

Supervisor Approval

07393-S-110224661-16.0

Date: 12/05/03 Time:1130

JB 5/5/05

12-05-03 11:09 Bag# 4661

~~20990 lb~~ GR

120503 1109 4661 0020990

21620-lbs

Shipment Survey

Survey Number: GTEOSI 9667 Date: 12-5-03 Time: 1118

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4665 Storage Bin: 51 Gross Weight: ~~20230~~ lbs

22510 JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	23	<MDA
2	~~0~~		27	
3	1		33	
4	~~0~~		36	
5	~~0~~		21	
6	~~0~~		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07394-S-110224665-16.0
Date: 12/05/03 Time:1131

22510 - lbs

12-05-03 11:18 Bag# 4665

~~20230 lb~~ GR

120503 1118 4665 0020230

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9666 Date: 12-5-03 Time: 1114

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4666 Storage Bin: 51 Gross Weight: ~~21900~~ lbs

20160 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	LMDA	40	LMDA
2	~~0~~		15	
3	3		34	
4	4		32	
5	~~0~~		35	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07397-S-05S044666-06.0

Date: 12/05/03 Time:1135

20160 lbs

12-05-03 11:14 Bag# 4666

~~21900~~ lb GR

120503 1114 4666 0021900

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9668 Date: 12-5-03 Time: 1125

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4667 Storage Bin: 51 Gross Weight: ~~22860~~ lbs

20750 JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	37	<MDA
2	~~0~~		34	
3	~~0~~		32	
4	1		24	
5	1		22	
6	~~0~~		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Robert Hoff
Supervisor Approval

07396-S-110224667-16.0
Date: 12/05/03 Time:1133

20750 lbs

12-05-03 11:25 Bag# 4667
~~22860~~ lb GR

120503 1125 4667 0022860

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9673 Date: 12-5-03 Time: 1314

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4669 Storage Bin: 53 Gross Weight: ~~20440~~ lbs

21570 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	LMDA	26	LMDA
2	1		22	
3	1		21	
4	Ø		24	
5	Ø		22	
6	Ø		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07399-S-11N224669-16.0
Date: 12/05/03 Time:1151

21570 lbs

12-05-03 13:14 Bag# 4669

~~20440 lb~~ GR

120503 1314 4669 0020440

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9671 Date: 12-5-03 Time: 1305

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4673 Storage Bin: 52 Gross Weight: ~~20840~~ lbs

18720 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	41	<MDA
2	Ø		36	
3	1		28	
4	Ø		29	
5	6		29	
6	Ø		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage Debra LeFage

Surveyor Name Surveyor Signature

Supervisor Approval

07405-S-11N224673-16.0

Date: 12/05/03 Time:1301

18720 -lbs

12-05-03 13:05 Bag# 4673

~~20840~~ lb GR

120503 1305 4673 0020840

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9681 Date: 12-5-03 Time: 1426

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4674 Storage Bin: 54 Gross Weight: ~~20770~~ lbs

20410 - lbs JB 5-5-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	27	<MDA
2	~~0~~		15	
3	~~0~~		30	
4	~~0~~		27	
5	~~0~~		17	
6	~~0~~		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

S. [illegible] — Supervisor Approval

07411-S-11N224674-16.0

Date: 12/05/03 Time:1355

20410 - lbs JB 5/5/5

12-05-03 14:26 Bag# 4674

~~20770~~ lb GR

120503 1426 4674 0020770

Shipment Survey

Survey Number: GTEOSI 9676 Date: 12-5-03 Time: 1319

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4678 Storage Bin: 53 Gross Weight: ~~20590~~ lbs

21560 lbs JB 5-5-05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	32	<MDA
2	0		28	
3	1		27	
4	0		27	
5	0		34	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Lefebvre Debra LePage

Surveyor Name Surveyor Signature

Supervisor Approval

07408-S-05S044678-06.0

Date: 12/05/03 Time:1332

21560 lbs

12-05-03 13:19 Bag# 4678

~~20590~~ lb GR

120503 1319 4678 0020590

JB 5-5-05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOST 9790 Date: 12-9-03 Time: 0810

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4790 Storage Bin: 100 AISLE Gross Weight: 20770 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	0		31	
3	0		24	
4	1		40	
5	2		31	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07535-S-11P194790-12.0
Date: 12/09/03 Time:0829

12-09-03 8:10 Bag# 4790
20770 lb GR
120903 0810 4790 0020770

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-515
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) 1

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5245

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Ames
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-515

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8778E+00	1.5886E-01	NA	21620 LBS; 171 FT3	4661
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.3443E+00	1.9849E-01	NA	22510 LBS; 178 FT3	4665
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.7155E+01	1.0042E+00	NA	20160 LBS; 159 FT3	4666
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9975E+00	1.8912E-01	NA	20750 LBS; 164 FT3	4667
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.6457E+01	7.1507E-01	NA	21570 LBS; 171 FT3	4669
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1597E+01	3.1344E-01	NA	18720 LBS; 148 FT3	4673

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-515

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4295E+00	1.4674E-01	NA	20410 LBS; 161 FT3	4674
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.8550E+00	1.8527E-01	NA	21560 LBS; 170 FT3	4678
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.2643E+01	6.1199E-01	NA	20770 LBS; 164 FT3	4790

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.0790 ft3 1486.0000	kg 84980.5362 ton 93.6750	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	1.3036E+02	NP	NP	NP	NP	(kg)	5.7590E+00
mCi	3.5232E+00	NP	NP	NP	NP	(tons)	6.3482E-03

2. MANIFEST NUMBER **0840-01-515**

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME **GTEOSI**

SHIPMENT ID NUMBER **0840-01-515**

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4661/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9806.6677	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [2.0113E-07 kg]	4.31915E-01	1.5628E-01	4.2238E-03	AU
		171.0000	10.8100	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [1.5359E-01 kg]	1.72766E+00	6.2512E-01	1.6895E-02	
												U-nat [1.9400E-01 kg]	1.40852E+01	5.0964E+00	1.3774E-01	
												Subtotal		5.8778E+00	1.5886E-01	
												Total Source [3.4759E-01 kg]		5.8778E+00	1.5886E-01	
4665/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10210.3649	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [9.1274E-08 kg]	1.88227E-01	7.0922E-02	1.9168E-03	AU
		178.0000	11.2550	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [6.9700E-02 kg]	7.52908E-01	2.8368E-01	7.6670E-03	
												U-nat [2.6606E-01 kg]	1.85506E+01	6.9897E+00	1.8891E-01	
												Subtotal		7.3443E+00	1.9849E-01	
												Total Source [3.3576E-01 kg]		7.3443E+00	1.9849E-01	
4666/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5024	9144.4228	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5024	100	OXIDES/NONE	0.00	Th-230 [1.7565E-07 kg]	4.04610E-01	1.3648E-01	3.6886E-03	AU
		159.0000	10.0800	0.0200	<2.2000E+02	<2.2000E+03		159.0000				Th-232 [1.3413E-01 kg]	1.61844E+00	5.4590E-01	1.4754E-02	
												U-nat [1.3884E+00 kg]	1.08132E+02	3.6473E+01	9.8576E-01	
												Subtotal		3.7155E+01	1.0042E+00	
												Total Source [1.5225E+00 kg]		3.7155E+01	1.0042E+00	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-515

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4667/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9412.0423	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [2.6004E-07 kg]	5.81915E-01	2.0205E-01	5.4608E-03	AU
		164.0000	10.3750	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.9857E-01 kg]	2.32766E+00	8.0819E-01	2.1843E-02	
												U-nat [2.2792E-01 kg]	1.72444E+01	5.9873E+00	1.6182E-01	
												Subtotal		6.9975E+00	1.8912E-01	
												Total Source [4.2650E-01 kg]		6.9975E+00	1.8912E-01	
4669/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9783.9881	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.2340E-07 kg]	2.65603E-01	9.5878E-02	2.5913E-03	AU
		171.0000	10.7850	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [9.4231E-02 kg]	1.06241E+00	3.8351E-01	1.0365E-02	
												U-nat [9.8889E-01 kg]	7.19634E+01	2.5978E+01	7.0211E-01	
												Subtotal		2.6457E+01	7.1507E-01	
												Total Source [1.0831E+00 kg]		2.6457E+01	7.1507E-01	
4673/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.1909	8491.2497	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.1909	100	OXIDES/NONE	0.00	Th-230 [1.2232E-07 kg]	3.03546E-01	9.5046E-02	2.5688E-03	AU
		148.0000	9.3600	0.0200	<2.2000E+02	<2.2000E+03		148.0000				Th-232 [9.3410E-02 kg]	1.21418E+00	3.8018E-01	1.0275E-02	
												U-nat [4.2338E-01 kg]	3.55208E+01	1.1122E+01	3.0060E-01	
												Subtotal		1.1597E+01	3.1344E-01	
												Total Source [5.1679E-01 kg]		1.1597E+01	3.1344E-01	
4674/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9257.8209	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [7.0790E-08 kg]	1.61064E-01	5.5004E-02	1.4866E-03	AU
		161.0000	10.2050	0.0200	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [5.4058E-02 kg]	6.44255E-01	2.2002E-01	5.9464E-03	
												U-nat [1.9621E-01 kg]	1.50933E+01	5.1545E+00	1.3931E-01	
												Subtotal		5.4295E+00	1.4674E-01	
												Total Source [2.5027E-01 kg]		5.4295E+00	1.4674E-01	
4678/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9779.4521	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.8542E-07 kg]	3.99291E-01	1.4407E-01	3.8939E-03	AU
		170.0000	10.7800	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.4160E-01 kg]	1.59716E+00	5.7628E-01	1.5575E-02	
												U-nat [2.3353E-01 kg]	1.70021E+01	6.1346E+00	1.6580E-01	
												Subtotal		6.8550E+00	1.8527E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-515

3. PAGE 3 OF 3 PAGE(S)

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.7512E-01 kg]		6.8550E+00	1.8527E-01	
4790/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9421.1141	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [6.3922E-08 kg]	1.42908E-01	4.9669E-02	1.3424E-03	AU
		164.0000	10.3850	0.0100	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [4.8814E-02 kg]	5.71631E-01	1.9867E-01	5.3695E-03	
												U-nat [8.5251E-01 kg]	6.44380E+01	2.2395E+01	6.0528E-01	
												Subtotal		2.2643E+01	6.1199E-01	
												Total Source [9.0132E-01 kg]		2.2643E+01	6.1199E-01	
Shipment Totals		42.0790	85307.1226									Source [5.7590E+00 kg]		1.3036E+02	3.5232E+00	
		1486.0000	94.0350													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-515
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-515
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.0054E+00	2.7173E-02
Th-232	4.0216E+00	1.0869E-01
U-nat	1.2533E+02	3.3873E+00

2004

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	536	1/7/2004	1/24/2004	1476.00	LLRW
0840	01	547	1/8/2004	1/24/2004	1534.00	LLRW
0840	01	549	1/8/2004	1/24/2004	1644.00	LLRW
0840	01	561	1/12/2004	1/24/2004	1502.00	LLRW
0840	01	559	1/12/2004	1/24/2004	1642.00	LLRW
0840	01	558	1/12/2004	1/24/2004	1524.00	LLRW
0840	01	557	1/12/2004	1/24/2004	1503.00	LLRW
0840	01	555	1/12/2004	1/24/2004	1518.00	LLRW
0840	01	515	1/12/2004	1/24/2004	1486.00	LLRW
0840	01	556	1/12/2004	1/24/2004	1540.00	LLRW
0840	01	560	1/12/2004	1/24/2004	1531.00	LLRW
0840	01	562	1/17/2004	1/24/2004	1543.00	LLRW
0840	01	563	1/17/2004	1/24/2004	1494.00	LLRW
0840	01	564	1/17/2004	1/24/2004	1533.00	LLRW
0840	01	565	1/17/2004	1/24/2004	1547.00	LLRW
0840	01	571	1/20/2004	1/31/2004	1534.00	LLRW
0840	01	540	1/15/2004	2/17/2004	1565.00	LLRW
0840	01	551	1/15/2004	2/17/2004	1557.00	LLRW
0840	01	530	1/15/2004	2/17/2004	1541.00	LLRW
0840	01	575	1/20/2004	2/17/2004	1580.00	LLRW
0840	01	573	1/20/2004	2/17/2004	1513.00	LLRW
0840	01	567	1/20/2004	2/17/2004	1524.00	LLRW
0840	01	568	1/20/2004	2/17/2004	1551.00	LLRW

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-515
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MHFX-5245

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature] DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-515

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature] DATE: 1/12/04

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Order GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8778E+00	1.5886E-01	NA	21620 LBS; 171 FT3	4661
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				7.3443E+00	1.9849E-01	NA	22510 LBS; 178 FT3	4665
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				3.7155E+01	1.0042E+00	NA	20160 LBS; 159 FT3	4666
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				6.9975E+00	1.8912E-01	NA	20750 LBS; 164 FT3	4667
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				2.6457E+01	7.1507E-01	NA	21570 LBS; 171 FT3	4669
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				1.1597E+01	3.1344E-01	NA	18720 LBS; 148 FT3	4673

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-515	LI RR	MHFX 5245

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [signature]

Shipment Date 12-11-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5245

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4667	22860
		4665	20230
		Total:	43090
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5245

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4661	20990
		4673	20840
		Total:	41830
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5245

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4790	20770
		4674	20770
		Total:	41540
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5245

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4666	21900
		4678	20590
		Total:	42490
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MHFX
Emergency Contact:	CHEMTREC 800-424-9300	5245

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4669	20440
			0
		Total:	20440
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

bag num	correct wt.	manifest wt.	difference
4661	20990	21620	630
4665	20230	22510	2280
4666	21900	20160	-1740
4667	22860	20750	-2110
4669	20440	21570	1130
4673	20840	18720	-2120
4674	20770	20410	-360
4678	20590	21560	970
4790	20770	20770	0

GAMMA SPEC
HAS SAME NUMBERS

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MHFX	Shipment #	201500	22860	20230	20990	20840	21900	20590	20770	20770	20440
	0840-01-515	Bag #	4667	4665	4661	4673	4666	4678	4790	4674	4669
	Storage Loc.										
5245	12/11/2003	201500	178640	158410	137420	116580	94680	74090	53320	32550	12110

Daily Shipping checklist for Trucks and Packages

Date: 12/11/2003

Inspector: N. Sawyer

Truck #s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4661		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4665		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4666		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4667		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4669		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4673		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4674		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4678		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4790		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

12/4/03
WEB

Shipment Survey

Survey Number: GTEOSI 9632 Date: 12-4-03 Time: 1607

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4634 Storage Bin: 42 Gross Weight: 22820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	22	<MDA
2	0		19	
3	0		30	
4	4		22	
5	0		23	
6	1		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeBlanc — Surveyor Name

Surveyor Signature

Supervisor Approval

07350-S-05R044634-06.0
Date: 12/04/03 Time:1629

12-04-03 16:07 Bag# 4634
22820 lb GR
120403 1607 4634 0022820

Shipment Survey

Survey Number: GTEOSI 9633 Date: 12-4-03 Time: 1610

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4635 Storage Bin: 42 Gross Weight: ~~20380~~ lbs

21730 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	20	<MDA
2	0		31	
3	1		32	
4	2		19	
5	0		25	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07352-S-05R044635-06.0
Date: 12/04/03 Time:1633

21730 lbs

12-04-03 16:10 Bag# 4635
~~20380~~ lb GR

120403 1610 4635 0020380

JB 5-5-05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9689 Date: 12-5-03 Time: 1511

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4682 Storage Bin: 56 Gross Weight: ~~18720~~ lbs

20740 lbs PB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	34	<MDA
2	~~0~~		22	
3	1		32	
4	~~0~~		24	
5	~~0~~		27	
6	~~0~~		38	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LPage
Surveyor Signature

Supervisor Approval

97415-S-05Q054682-03.0
Date: 12/05/03 Time:1529

20740 lbs

12-05-03 15:11 Bag# 4682
~~18720~~ lb GR

120503 1511 4682 0018720

PB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9684 Date: 12-5-03 Time: 1448

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4686 Storage Bin: 55 Gross Weight: ~~21330~~ lbs

19760 -lbs JB 5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	23	<MDA
2	1		25	
3	1		25	
4	2		28	
5	0		21	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFlage
Surveyor Name

Debra L Fay
Surveyor Signature

Supervisor Approval

07417-S-1102146RR-16.0
Date: 12/05/03 Time:1534

19760 -lbs

12-05-03 14:48 Bag# 4686
~~21330~~ lb GR

120503 1448 4686 0021330

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9687 Date: 12-5-03 Time: 1506

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4687 Storage Bin: 56 Gross Weight: ~~21560~~ lbs

20520 -lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	32	<MDA
2	1		41	
3	~~0~~		21	
4	~~0~~		20	
5	1		25	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07419-S-110214687-16.0
Date: 12/05/03 Time:1536

20520 lbs

12-05-03 15:06 Bag# 4687

~~21560 lb~~ GR

120503 1506 4687 0021560

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9697 Date: 12-6-03 Time: 1051

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4702 Storage Bin: 58 Gross Weight: 22510 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	37	<MDA
2	~~0~~		23	
3	2		34	
4	~~0~~		24	
5	~~0~~		24	
6	~~0~~		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L. Page — Surveyor Signature

Supervisor Approval

07442-S-110214702-17.0
Date: 12/06/03 Time:1118

12-06-03 10:51 Bag# 4702
22510 lb GR
120603 1051 4702 0022510

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9713 Date: 12-6-03 Time: 1217

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4710 Storage Bin: G2 Gross Weight: 21980 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	36	<MDA
2	~~0~~		27	
3	~~0~~		28	
4	1		29	
5	~~0~~		33	
6	~~0~~		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07450-S-050054710-06.0
Date: 12/06/03 Time:1213

12-06-03 12:18 Bag# 4710
21980 lb GR
120603 1218 4710 0021980

Shipment Survey

Survey Number: GTEOSI 9709 Date: 12-6-03 Time: 1158

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4711 Storage Bin: 61 Gross Weight: 21330 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	37	LMDA
2	1		27	
3	0		25	
4	0		27	
5	1		19	
6	0		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07454-S-11N214711-17.0
Date: 12/06/03 Time: 1227

12-06-03 11:58 Bag# 4711
21330 lb GR
120603 1158 4711 0021330

Shipment Survey

Survey Number: GTEOSI 9730 Date: 12-8-03 Time: 1111

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4723 Storage Bin: 38 Gross Weight: 20470 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	21	<MDA
2	2		28	
3	Ø		26	
4	Ø		22	
5	Ø		24	
6	Ø		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07464-S-11Q194723-06.0
Date: 12/08/03 Time:1033

12-08-03 11:11 Bag# 4723
20470 lb GR
120803 1111 4723 0020470

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-516
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100298

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*: [signature]
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-516

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.0450E+01	5.5271E-01	NA	22820 LBS; 180 FT3	4634
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.9795E+00	2.1566E-01	NA	21730 LBS; 172 FT3	4635
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.1313E+00	1.3869E-01	NA	20740 LBS; 164 FT3	4682
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.0507E+00	2.4461E-01	NA	19760 LBS; 156 FT3	4686
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0407E+01	2.8128E-01	NA	20520 LBS; 162 FT3	4687
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.1272E+00	1.6560E-01	NA	22510 LBS; 178 FT3	4702

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-516

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.2196E+00	8.7014E-02	NA	21980 LBS; 174 FT3	4710
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.5942E+00	1.5119E-01	NA	21330 LBS; 169 FT3	4711
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.2853E+00	1.6987E-01	NA	20470 LBS; 162 FT3	4723

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.9565 ft3 1517.0000	kg 86699.6514 ton 95.5700	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	7.4245E+01	NP	NP	NP	NP	(kg)	3.5090E+00
mCi	2.0066E+00	NP	NP	NP	NP	(tons)	3.8680E-03

2. MANIFEST NUMBER 0840-01-516

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-516

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4634/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0970	10350.9786	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0970	100	OXIDES/NONE	0.00	Th-230 [1.6218E-07 kg]	3.29894E-01	1.2601E-01	3.4058E-03	AU
		180.0000	11.4100	0.0200	<2.2000E+02	<2.2000E+03		180.0000				Th-232 [1.2385E-01 kg]	1.31957E+00	5.0405E-01	1.3623E-02	
												U-nat [7.5448E-01 kg]	5.18871E+01	1.9820E+01	5.3568E-01	
												Subtotal		2.0450E+01	5.5271E-01	
												Total Source [8.7833E-01 kg]		2.0450E+01	5.5271E-01	
4635/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8705	9856.5629	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8705	100	OXIDES/NONE	0.00	Th-230 [1.1497E-07 kg]	2.45638E-01	8.9333E-02	2.4144E-03	AU
		172.0000	10.8650	0.0200	<2.2000E+02	<2.2000E+03		172.0000				Th-232 [8.7797E-02 kg]	9.82553E-01	3.5733E-01	9.6576E-03	
												U-nat [2.8674E-01 kg]	2.07126E+01	7.5328E+00	2.0359E-01	
												Subtotal		7.9795E+00	2.1566E-01	
												Total Source [3.7454E-01 kg]		7.9795E+00	2.1566E-01	
4682/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9407.5064	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.0091E-07 kg]	2.25922E-01	7.8407E-02	2.1191E-03	AU
		164.0000	10.3700	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [7.7057E-02 kg]	9.03688E-01	3.1362E-01	8.4763E-03	
												U-nat [1.8041E-01 kg]	1.36562E+01	4.7393E+00	1.2809E-01	
												Subtotal		5.1313E+00	1.3869E-01	
												Total Source [2.5747E-01 kg]		5.1313E+00	1.3869E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-516

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4686/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4174	8962.9858	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4174	100	OXIDES/NONE	0.00	Th-230 [9.2395E-08 kg]	2.17163E-01	7.1791E-02	1.9403E-03	AU
		156.0000	9.8800	0.0200	<2.2000E+02	<2.2000E+03		156.0000				Th-232 [7.0556E-02 kg]	8.68652E-01	2.8716E-01	7.7612E-03	
												U-nat [3.3086E-01 kg]	2.62916E+01	8.6917E+00	2.3491E-01	
												Subtotal		9.0507E+00	2.4461E-01	
												Total Source [4.0141E-01 kg]		9.0507E+00	2.4461E-01	
4687/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9307.7160	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [1.1376E-07 kg]	2.57447E-01	8.8393E-02	2.3890E-03	AU
		162.0000	10.2600	0.0200	<2.2000E+02	<2.2000E+03		162.0000				Th-232 [8.6874E-02 kg]	1.02979E+00	3.5358E-01	9.5562E-03	
												U-nat [3.7934E-01 kg]	2.90238E+01	9.9652E+00	2.6933E-01	
												Subtotal		1.0407E+01	2.8128E-01	
												Total Source [4.6622E-01 kg]		1.0407E+01	2.8128E-01	
4702/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10210.3649	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [1.5657E-07 kg]	3.22872E-01	1.2165E-01	3.2879E-03	AU
		178.0000	11.2550	0.0200	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [1.1956E-01 kg]	1.29149E+00	4.8662E-01	1.3152E-02	
												U-nat [2.1008E-01 kg]	1.46474E+01	5.5189E+00	1.4916E-01	
												Subtotal		6.1272E+00	1.6560E-01	
												Total Source [3.2964E-01 kg]		6.1272E+00	1.6560E-01	
4710/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	9969.9610	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [6.3514E-08 kg]	1.34149E-01	4.9351E-02	1.3338E-03	AU
		174.0000	10.9900	0.0200	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [4.8501E-02 kg]	5.36596E-01	1.9740E-01	5.3352E-03	
												U-nat [1.1316E-01 kg]	8.08083E+00	2.9728E+00	8.0345E-02	
												Subtotal		3.2196E+00	8.7014E-02	
												Total Source [1.6166E-01 kg]		3.2196E+00	8.7014E-02	
4711/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9675.1259	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.9631E-07 kg]	4.27305E-01	1.5253E-01	4.1224E-03	AU
		169.0000	10.6650	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.4991E-01 kg]	1.70922E+00	6.1013E-01	1.6490E-02	
												U-nat [1.8391E-01 kg]	1.35346E+01	4.8315E+00	1.3058E-01	
												Subtotal		5.5942E+00	1.5119E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-516

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
												Total Source [3.3381E-01 kg]		5.5942E+00	1.5119E-01	
4723/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5873	9285.0364	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5873	100	OXIDES/NONE	0.00	Th-230 [1.0822E-07 kg]	2.45496E-01	8.4086E-02	2.2726E-03	AU
												Th-232 [8.2639E-02 kg]	9.81986E-01	3.3634E-01	9.0903E-03	
		162.0000	10.2350	0.0100	<2.2000E+02	<2.2000E+03		162.0000				U-nat [2.2325E-01 kg]	1.71230E+01	5.8649E+00	1.5851E-01	
												Subtotal		6.2853E+00	1.6987E-01	
												Total Source [3.0589E-01 kg]		6.2853E+00	1.6987E-01	
Shipment Totals		42.9565	87026.2379									Source [3.5090E+00 kg]		7.4245E+01	2.0066E+00	
		1517.0000	95.9300													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-516
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-516
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	8.6156E-01	2.3285E-02
Th-232	3.4462E+00	9.3141E-02
U-nat	6.9937E+01	1.8902E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	487	11/29/2003	12/10/2003	1585.00	A
0840	01	461	12/2/2003	12/11/2003	1510.00	A
0840	01	495	12/15/2003	1/15/2004	1527.00	A
0840	01	492	12/15/2003	1/15/2004	1562.00	A
0840	01	498	12/15/2003	1/15/2004	1613.00	A
0840	01	496	12/15/2003	1/15/2004	1647.00	A
0840	01	494	12/15/2003	1/15/2004	1577.00	A
0840	01	497	12/15/2003	1/15/2004	1658.00	A
0840	01	493	12/15/2003	1/15/2004	1563.00	A
0840	01	491	12/15/2003	1/15/2004	1558.00	A
0840	04	3	12/15/2003	1/15/2004	1534.00	A
0840	01	501	12/16/2003	1/15/2004	1587.00	A
0840	01	500	12/16/2003	1/15/2004	1594.00	A
0840	01	499	12/16/2003	1/15/2004	1568.00	A
0840	01	504	12/18/2003	1/17/2004	1482.00	A
0840	01	503	12/18/2003	1/17/2004	1650.00	A
0840	01	502	12/18/2003	1/17/2004	1564.00	A
0840	01	506	12/20/2003	1/15/2004	1589.00	A
0840	04	4	12/20/2003	1/15/2004	1626.00	A
0840	04	5	12/20/2003	1/15/2004	1447.00	A
0840	01	511	12/22/2003	1/15/2004	1537.00	A
0840	01	512	12/22/2003	1/15/2004	1447.00	A
0840	01	510	12/22/2003	1/15/2004	1621.00	A
0840	01	509	12/22/2003	1/15/2004	1653.00	A
0840	01	508	12/22/2003	1/15/2004	1645.00	A
0840	01	507	12/22/2003	1/15/2004	1528.00	A
0840	01	505	12/22/2003	1/15/2004	1600.00	A
0840	04	6	12/22/2003	1/15/2004	1498.00	A
0840	01	514	12/23/2003	1/15/2004	1502.00	A
0840	01	516	12/23/2003	1/15/2004	1517.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-516
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100298

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [illegible]
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-516

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [illegible]
DATE: 12-24-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [illegible] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. [redacted]	15. INDIVIDUAL RADIONUCLIDES	16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]	[redacted]	2.0450E+01	5.5271E-01	NA	22820 LBS; 180 FT3	4634
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]	[redacted]	7.9795E+00	2.1566E-01	NA	21730 LBS; 172 FT3	4635
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]	[redacted]	5.1313E+00	1.3869E-01	NA	20740 LBS; 164 FT3	4682
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]	[redacted]	9.0507E+00	2.4461E-01	NA	19760 LBS; 156 FT3	4686
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	[redacted]	[redacted]	1.0407E+01	2.8128E-01	NA	20520 LBS; 162 FT3	4687
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230 [redacted]	6.1272E+00	1.6560E-01	NA	22510 LBS; 178 FT3	4702

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-516	L I R R	MWCX 100298

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature [signature]

Shipment Date 12-11-03

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100298

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4711	21330
			0
		Total:	21330
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100298

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4686	21330
		4710	21980
		Total:	43310
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100298

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4687	21560
		4682	18720
		Total:	40280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100298

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4723	20470
		4702	22510
		Total:	42980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100298

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4634	22820
		4635	20380
		Total:	43200
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1			
2			

Gondola has been inspected for proper marking and labeling. Int. _____

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4634		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4635		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4682		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4686		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4687		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4702		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4710		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4711		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4723		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204500	21330	21330	21980	21560	18720	20470	22510	22820	20380
	0840-01-516	Bag #	4711	4686	4710	4687	4682	4723	4702	4634	4635
	Storage Loc.			3		4	4		8		
100298	12/11/2003	204500	183170	161840	139860	118300	99580	79110	56600	33780	13400

Shipment Survey

Survey Number: GTEOSI 9650 Date: 12-5-03 Time: 1002

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4648 Storage Bin: 47 Gross Weight: ~~21730~~ lbs

21160 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	3	<MDA	26	<MDA
2	1		31	
3	~~0~~		26	
4	3		20	
5	2		18	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeRoy — Debra LeRoy

Surveyor Name Surveyor Signature

Supervisor Approval

07373-S-05S044648-06.0

Date: 12/05/03 Time:1033

21160 lbs

12-05-03 10:02 Bag# 4648

~~21730 lb~~ GR

120503 1002 4648 0021730

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9657 Date: 12-5-03 Time: 1032

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4653 Storage Bin: 48 Gross Weight: ~~20140~~ lbs

19830 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	43	<MDA
2	Ø		21	
3	Ø		31	
4	Ø		32	
5	Ø		32	
6	Ø		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeRoy — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07382-S-05S044653-06.0

Date: 12/05/03 Time: 1104

19830 lbs

12-05-03 10:32 Bag# 4653

~~20140 lb~~ GR

120503 1032 4653 0020140

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9682 Date: 12-5-03 Time: 1436

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4676 Storage Bin: 55 Gross Weight: ~~21620~~ lbs

20410 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	32	<MDA
2	1		16	
3	~~0~~		31	
4	~~0~~		30	
5	~~0~~		22	
6	1		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07413-S-110214676-16.0

Date: 12/05/03 Time:1419

20410 lbs

12-05-03 14:36 Bag# 4676

~~21620 lb~~ GR

120503 1436 4676 0021620

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9683 Date: 12-5-03 Time: 1440

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4683 Storage Bin: 55 Gross Weight: ~~20410~~ lbs JB 5/5/06

23210 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02. mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	35	<MDA
2	0		28	
3	0		26	
4	1		35	
5	1		29	
6	0		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

S. A. — Supervisor Approval

07412-S-05S044683-06.0

Date: 12/05/03 Time:1357

23210 lbs

12-05-03 14:40 Bag# 4683

~~20410 lb~~ GR

120503 1440 4683 0020410

JB 5/5/06

Shipment Survey

Survey Number: GTEOSI 9688 Date: 12-5-03 Time: 1501

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4684 Storage Bin: 56 Gross Weight: ~~20320~~ lbs

22930 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	< MDA	24	< MDA
2	0		21	
3	0		36	
4	1		34	
5	1		18	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07416-S-050054684-03.0
Date: 12/05/03 Time:1533

22930 lbs

12-05-03 15:01 Bag# 4684
~~20320 lb~~ GR

120503 1501 4684 0020320

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9686 Date: 12-5-03 Time: 1458

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4688 Storage Bin: 56 Gross Weight: ~~22480~~ lbs

21090 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	35	<MDA
2	0		32	
3			26	
4			35	
5	0		22	
6	0		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Lelage Debra Lelage

Surveyor Name Surveyor Signature

S. Amm

Supervisor Approval

07420-S-110214688-16.0

Date: 12/05/03 Time:1538

21090 lbs

12-05-03 14:58 Bag# 4688

~~22480 lb~~ GR

120503 1458 4688 0022480

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9698 Date: 12-5-03 Time: 1514

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4689 Storage Bin: 57 Gross Weight: ~~20220~~ lbs

23460 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	31	<MDA
2	~~0~~		25	
3	~~0~~		24	
4	3		42	
5	~~0~~		25	
6	1		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07421-S-110214689-16.0
Date: 12/05/03 Time:1539

23460 lbs

12-05-03 15:14 Bag# 4689

~~20220~~ lb GR

120503 1514 4689 0020220

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI - 9693 Date: 12-6-03 Time: 0903

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4691 Storage Bin: 57 Gross Weight: ~~20740~~ lbs

20230 - lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	27	<MDA
2	1		30	
3	1		32	
4	0		33	
5	0		36	
6	0		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington Cathy Buffington

Surveyor Name Surveyor Signature

Supervisor Approval

07427-S-050054691-03.0

Date: 12/06/03 Time:0920

20230 - lbs

12-06-03 9:05 Bag# 4691

~~20740~~ lb GR

120603 0905 4691 0020740

JB - 5/5/05

Shipment Survey

Survey Number: GTEOSI - 9696 Date: 12-6-03 Time: 1044

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4697 Storage Bin: 58 Gross Weight: 20810 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	27	<MDA
2	0		25	
3	1		23	
4	1		38	
5	1		29	
6	1		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Cathy Buffington
Surveyor Name

Cathy Buffington
Surveyor Signature

Supervisor Approval

07436-S-110214697-16.0
Date: 12/06/03 Time:1059

12-06-03 10:46 Bag# 4697
20810 lb GR
120603 1046 4697 0020810

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-517
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100306
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-517

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5074E+01	4.0741E-01	NA	21160 LBS; 167 FT3	4648
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.8192E+01	4.9167E-01	NA	19830 LBS; 157 FT3	4653
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.9624E+01	5.3038E-01	NA	20410 LBS; 161 FT3	4676
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.6748E+00	1.8040E-01	NA	23210 LBS; 184 FT3	4683
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1706E+01	3.1636E-01	NA	22930 LBS; 181 FT3	4684
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.0943E+00	1.3768E-01	NA	21090 LBS; 167 FT3	4688

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-517

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4049E+00	1.7311E-01	NA	23460 LBS; 186 FT3	4689
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	4.2734E+00	1.1550E-01	NA	20230 LBS; 160 FT3	4691
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6627E+00	1.5304E-01	NA	20810 LBS; 165 FT3	4697

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.2680	kg 87275.7137	NP	NP	NP	NP
	ft3 1528.0000	ton 96.2050				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	9.2705E+01	NP	NP	NP	NP	(kg)	4.5603E+00
mCi	2.5055E+00	NP	NP	NP	NP	(tons)	5.0269E-03

2. MANIFEST NUMBER 0840-01-517

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-517

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4648/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9598.0152	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.6645E-07 kg]	3.65248E-01	1.2933E-01	3.4955E-03	AU
		167.0000	10.5800	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [1.2711E-01 kg]	1.46099E+00	5.1733E-01	1.3982E-02	
												U-nat [5.4919E-01 kg]	4.07432E+01	1.4427E+01	3.8993E-01	
												Subtotal		1.5074E+01	4.0741E-01	
												Total Source [6.7630E-01 kg]		1.5074E+01	4.0741E-01	
4653/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.4457	8994.7373	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.4457	100	OXIDES/NONE	0.00	Th-230 [1.5262E-07 kg]	3.57447E-01	1.1859E-01	3.2051E-03	AU
		157.0000	9.9150	0.0200	<2.2000E+02	<2.2000E+03		157.0000				Th-232 [1.1655E-01 kg]	1.42979E+00	4.7434E-01	1.2820E-02	
												U-nat [6.6992E-01 kg]	5.30467E+01	1.7599E+01	4.7564E-01	
												Subtotal		1.8192E+01	4.9167E-01	
												Total Source [7.8647E-01 kg]		1.8192E+01	4.9167E-01	
4676/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9257.8209	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [1.5617E-07 kg]	3.55319E-01	1.2134E-01	3.2795E-03	AU
		161.0000	10.2050	0.0200	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [1.1926E-01 kg]	1.42128E+00	4.8537E-01	1.3118E-02	
												U-nat [7.2391E-01 kg]	5.56867E+01	1.9017E+01	5.1398E-01	
												Subtotal		1.9624E+01	5.3038E-01	
												Total Source [8.4317E-01 kg]		1.9624E+01	5.3038E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541 (04-03)

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-517

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION					
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4683/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10527.8796	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [2.5410E-07 kg]	5.08156E-01	1.9744E-01	5.3362E-03	AU
		184.0000	11.6050	0.0200	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [1.9404E-01 kg]	2.03262E+00	7.8977E-01	2.1345E-02	
												U-nat [2.1651E-01 kg]	1.46386E+01	5.6876E+00	1.5372E-01	
												Subtotal		6.6748E+00	1.8040E-01	
												Total Source [4.1055E-01 kg]		6.6748E+00	1.8040E-01	
4684/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10400.8737	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [1.1572E-07 kg]	2.34255E-01	8.9914E-02	2.4301E-03	AU
		181.0000	11.4650	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [8.8369E-02 kg]	9.37021E-01	3.5966E-01	9.7206E-03	
												U-nat [4.2846E-01 kg]	2.93242E+01	1.1256E+01	3.0421E-01	
												Subtotal		1.1706E+01	3.1636E-01	
												Total Source [5.1683E-01 kg]		1.1706E+01	3.1636E-01	
4688/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9566.2637	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [2.6270E-07 kg]	5.78369E-01	2.0412E-01	5.5168E-03	AU
		167.0000	10.5450	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [2.0061E-01 kg]	2.31348E+00	8.1648E-01	2.2067E-02	
												U-nat [1.5507E-01 kg]	1.15426E+01	4.0737E+00	1.1010E-01	
												Subtotal		5.0943E+00	1.3768E-01	
												Total Source [3.5568E-01 kg]		5.0943E+00	1.3768E-01	
4689/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2669	10641.2777	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2669	100	OXIDES/NONE	0.00	Th-230 [2.6205E-07 kg]	5.18440E-01	2.0361E-01	5.5030E-03	AU
		186.0000	11.7300	0.0200	<2.2000E+02	<2.2000E+03		186.0000				Th-232 [2.0011E-01 kg]	2.07376E+00	8.1444E-01	2.2012E-02	
												U-nat [2.0506E-01 kg]	1.37164E+01	5.3868E+00	1.4559E-01	
												Subtotal		6.4049E+00	1.7311E-01	
												Total Source [4.0517E-01 kg]		6.4049E+00	1.7311E-01	
4691/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5307	9176.1743	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5307	100	OXIDES/NONE	0.00	Th-230 [1.8429E-07 kg]	4.23050E-01	1.4319E-01	3.8701E-03	AU
		160.0000	10.1150	0.0200	<2.2000E+02	<2.2000E+03		160.0000				Th-232 [1.4073E-01 kg]	1.69220E+00	5.7276E-01	1.5480E-02	
												U-nat [1.3542E-01 kg]	1.05101E+01	3.5574E+00	9.6147E-02	
												Subtotal		4.2734E+00	1.1550E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-517

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER								
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION			16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.7615E-01 kg]		4.2734E+00	1.1550E-01	
4697/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.6723	9439.2578	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [1.2089E-07 kg]	2.69752E-01	9.3936E-02	2.5388E-03	AU
												Th-232 [9.2318E-02 kg]	1.07901E+00	3.7574E-01	1.0155E-02	
												U-nat [1.9767E-01 kg]	1.49122E+01	5.1930E+00	1.4035E-01	
		165.0000	10.4050	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Subtotal		5.6627E+00	1.5304E-01	
												Total Source [2.8999E-01 kg]		5.6627E+00	1.5304E-01	
Shipment Totals		43.2680	87602.3002									Source [4.5603E+00 kg]		9.2705E+01	2.5055E+00	
		1528.0000	96.5650													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-517
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-517
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.3015E+00	3.5175E-02
Th-232	5.2059E+00	1.4070E-01
U-nat	8.6197E+01	2.3297E+00

***ENVIROCARE** OF UTAH, INC.*

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	517	12/23/2003	1/15/2004	1528.00	A
0840	01	513	12/23/2003	1/15/2004	1520.00	A
0840	01	531	12/29/2003	1/17/2004	1512.00	A
0840	01	518	12/29/2003	1/17/2004	1533.00	A
0840	01	521	12/29/2003	1/17/2004	1504.00	A
0840	01	522	12/29/2003	1/17/2004	1552.00	A
0840	01	529	12/29/2003	1/17/2004	1562.00	A
0840	01	528	12/29/2003	1/17/2004	1536.00	A
0840	01	544	12/31/2003	1/17/2004	1522.00	A
0840	01	523	12/31/2003	1/17/2004	1551.00	A
0840	01	554	12/31/2003	1/17/2004	1513.00	A
0840	01	553	12/31/2003	1/17/2004	1526.00	A
0840	01	552	12/31/2003	1/17/2004	1528.00	A
0840	01	550	12/31/2003	1/17/2004	1653.00	A
0840	01	548	12/31/2003	1/17/2004	1485.00	A
0840	01	546	12/31/2003	1/17/2004	1507.00	A
0840	01	545	12/31/2003	1/17/2004	1501.00	A
0840	01	534	12/31/2003	1/17/2004	1501.00	A
0840	01	520	12/31/2003	1/17/2004	1541.00	A
0840	01	519	12/31/2003	1/17/2004	1497.00	A
0840	01	524	12/31/2003	1/17/2004	1507.00	A
0840	01	526	12/31/2003	1/17/2004	1548.00	A
0840	01	527	12/31/2003	1/17/2004	1577.00	A
0840	01	525	12/31/2003	1/17/2004	1528.00	A
0840	01	533	12/31/2003	1/17/2004	1551.00	A
0840	01	543	12/31/2003	1/17/2004	1515.00	A
0840	01	535	12/31/2003	1/17/2004	1529.00	A
0840	01	537	12/31/2003	1/17/2004	1506.00	A
0840	01	538	12/31/2003	1/17/2004	1528.00	A
0840	01	539	12/31/2003	1/17/2004	1556.00	A
0840	01	541	12/31/2003	1/17/2004	1589.00	A
0840	01	542	12/31/2003	1/17/2004	1523.00	A
0840	01	532	12/31/2003	1/17/2004	1532.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-517
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100306

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/11/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/11/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-517

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L6640

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12-24-03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/11/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES	16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	[redacted]	1.5074E+01	4.0741E-01	NA	21160 LBS; 167 FT3	4648
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / O	[redacted]	1.8192E+01	4.9167E-01	NA	19830 LBS; 157 FT3	4653
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / O	[redacted]	1.9624E+01	5.3038E-01	NA	20410 LBS; 161 FT3	4676
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OX	[redacted]	6.6748E+00	1.8040E-01	NA	23210 LBS; 184 FT3	4683
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OX	[redacted]	1.1706E+01	3.1636E-01	NA	22930 LBS; 181 FT3	4684
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXI	[redacted]	5.0943E+00	1.3768E-01	NA	21090 LBS; 167 FT3	4688

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100306

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4697	20810
		4653	20140
		Total:	40950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-517	LI RR	MWCX 100306

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Ron Johnson

Shipment Date 12-11-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100306

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4648	21730
		4688	22480
		Total:	44210
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/11/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100306

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4684	20320
		4691	20740
		Total:	41060
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100306

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4676	21620
		4683	20410
		Total:	42030
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/11/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100306

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4689	20220
			0
		Total:	20220
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/11/2003
Transporter	Signature		Date
Priority Transport			12/11/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204300	20810	20140	21730	22480	20320	20740	21620	20410	20220
	0840-01-517	Bag #	4697	4653	4648	4688	4684	4691	4676	4683	4689
	Storage Loc.		12			5					
100306	12/11/2003	204300	183490	163350	141620	119140	98820	78080	56460	36050	15830

Daily Shipping checklist for Trucks and Packages

Date: 12/11/2003

Inspector: N. Sawyer

Truck #'s		Inspection	Surveyed
1		NS	
2		NS	

Gondola has been inspected for proper marking and labeling. Int. NS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4648		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4653		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4676		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4683		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4684		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4688		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4689		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4691		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4697		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9182 Date: 12-3-03 Time: 1511

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4583 Storage Bin: 63 Gross Weight: 20740 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	26	<MDA
2	~~0~~		29	
3	~~0~~		30	
4	~~0~~		26	
5	~~0~~		29	
6	~~0~~		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeTOUR — Debra L. Page

Surveyor Name Surveyor Signature

Robert HR

Supervisor Approval

07282-S-05Q044583-01.0
Date: 12/03/03 Time:1524

12-03-03 15:11 Bag# 4583
20740 lb GR
120303 1511 4583 0020740

Shipment Survey

Survey Number: GTEOSI 9672 Date: 12-5-03 Time: 1310

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4672 Storage Bin: 53 Gross Weight: 22140 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	33	<MDA
2	~~0~~		30	
3	~~0~~		26	
4	~~0~~		27	
5	~~0~~		26	
6	~~0~~		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage
Surveyor Name — Surveyor Signature

Supervisor Approval

07404-S-050044672-06.0
Date: 12/05/03 Time:1256

12-05-03 13:10 Bag# 4672
22140 lb GR
120503 1310 4672 0022140

Shipment Survey

Survey Number: GTE0SI 9691 Date: 12-5-03 Time: 1521

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4685 Storage Bin: 57 Gross Weight: ~~20410~~ lbs

21430 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	30	<MDA
2	1		33	
3	~~0~~		23	
4	~~0~~		26	
5	~~0~~		33	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07419-S-05G054685-03.0
Date: 12/05/03 Time:1536

21430-lbs

12-05-03 15:21 Bag# 4685
~~20410 lb~~ GR

120503 1521 4685 0020410

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9692 Date: 12-5-03 Time: 1525

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4690 Storage Bin: 57 Gross Weight: ~~20570~~ lbs

20990 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	LMDA	26	LMDA
2	1		26	
3	1		35	
4	1		26	
5	1		25	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage
Surveyor Name

Debra LeFage
Surveyor Signature

Supervisor Approval

07424-S-110214690-16.0
Date: 12/05/03 Time:1559

20990 lbs

12-05-03 15:25 Bag# 4690

~~20570~~ lb GR

120503 1525 4690 0020570

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9694 Date: 12-6-03 Time: 0949

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4692 Storage Bin: 58 Gross Weight: ~~23210~~ lbs

22860 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	30	LMDA
2	Ø		23	
3	Ø		28	
4	Ø		33	
5	Ø		18	
6	Ø		26	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07425-S-110214692-16.0
Date: 12/06/03 Time:0912

22860 - lbs

12-06-03 9:49 Bag# 4692

~~23210 lb~~ GR

120603 0949 4692 0023210

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9695 Date: 12-6-03 Time: 1001

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4694 Storage Bin: 58 Gross Weight: 20790 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	29	<MDA
2	2		25	
3	0		28	
4	1		30	
5	2		26	
6	1		18	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07431-S-11N214694-16.0
Date: 12/06/03 Time:1043

12-06-03 10:02 Bag# 4694
20790 lb GR
120603 1002 4694 0020790

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9701 Date: 12-6-03 Time: 1113

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4701 Storage Bin: 59 Gross Weight: 21910 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	28	<MDA
2	Ø		31	
3	Ø		39	
4	Ø		30	
5	Ø		24	
6	Ø		31	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07432-S-05Q054701-03.0
Date: 12/06/03 Time:1047

12-06-03 11:13 Bag# 4701
21910 lb GR
120603 1113 4701 0021910

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9717 Date: 12-6-03 Time: 1229

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4713 Storage Bin: 58 Gross Weight: 21500 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	31	<MDA
2	~~0~~		22	
3	~~0~~		27	
4	~~0~~		25	
5	~~0~~		26	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07455-S-110214713-17.0
Date: 12/06/03 Time:1230

12-06-03 12:29 Bag# 4713
21500 lb GR
120603 1229 4713 0021500

Shipment Survey

Survey Number: GTEOSI 9718 Date: 12-6-03 Time: 1233

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4714 Storage Bin: 58 Gross Weight: 21640 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	25	<MDA
2	1		25	
3	1		29	
4	1		25	
5	0		23	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LePage
Surveyor Name

Debra K Page
Surveyor Signature

S. [illegible]
Supervisor Approval

07451-S-050054714-06.0
Date: 12/06/03 Time:1217

12-06-03 12:33 Bag# 4714
21640 lb GR
120603 1233 4714 0021640

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-518
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100026
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-518

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES				16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		4.0948E+00	1.1067E-01	NA	20740 LBS; 164 FT3	4583
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-235	U-238	6.7698E+00	1.8297E-01	NA	22140 LBS; 175 FT3	4672
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		6.7978E+00	1.8373E-01	NA	21430 LBS; 169 FT3	4685
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		4.8347E+00	1.3067E-01	NA	20990 LBS; 166 FT3	4690
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		6.4232E+00	1.7360E-01	NA	22860 LBS; 181 FT3	4692
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		6.1147E+00	1.6526E-01	NA	20790 LBS; 164 FT3	4694

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-518

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2437E+01	3.3614E-01	NA	21910 LBS; 173 FT3	4701
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.0356E+00	1.6312E-01	NA	21500 LBS; 170 FT3	4713
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.8967E+00	7.8289E-02	NA	21640 LBS; 171 FT3	4714

FORM 541 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 43.4097 ft3 1533.0000	kg 87670.3390 ton 96.6400	NP	5.6447E+00 1 Container	NP	5.6447E+00

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	5.6404E+01	NP	NP	NP	NP	(kg)	3.1986E+00
mCi	1.5244E+00	NP	NP	NP	NP	(tons)	3.5259E-03

2. MANIFEST NUMBER 0840-01-518

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-518

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4583/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9407.5064	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.2319E-07 kg]	2.75816E-01	9.5723E-02	2.5871E-03	AU
		164.0000	10.3700	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [9.4075E-02 kg]	1.10326E+00	3.8288E-01	1.0348E-02	
												U-nat [1.3766E-01 kg]	1.04199E+01	3.6162E+00	9.7735E-02	
												Subtotal		4.0948E+00	1.1067E-01	
												Total Source [2.3173E-01 kg]		4.0948E+00	1.1067E-01	
4672/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10042.5357	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [9.3810E-08 kg]	1.96702E-01	7.2890E-02	1.9700E-03	AU
		175.0000	11.0700	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [7.1637E-02 kg]	7.86809E-01	2.9156E-01	7.8801E-03	
												U-235 [5.6447E+00 g]	1.23995E+00	4.5947E-01	1.2418E-02	
												U-238 [4.7266E-01 kg]	1.60459E+01	5.9459E+00	1.6070E-01	
												Subtotal		6.7698E+00	1.8297E-01	
												Total		6.7698E+00	1.8297E-01	
												SNM [5.6447E+00 g]				
												Source [5.4429E-01 kg]				
4685/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9720.4851	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.6891E-07 kg]	3.65957E-01	1.3125E-01	3.5472E-03	AU
		169.0000	10.7150	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.2899E-01 kg]	1.46383E+00	5.2499E-01	1.4189E-02	
												U-nat [2.3379E-01 kg]	1.71251E+01	6.1416E+00	1.6599E-01	
												Subtotal		6.7978E+00	1.8373E-01	
												Total Source [3.6278E-01 kg]		6.7978E+00	1.8373E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-518

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4690/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9520.9045	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [2.2122E-07 kg]	4.89362E-01	1.7189E-01	4.6456E-03	AU
		166.0000	10.4950	0.0200	<2.2000E+02	<2.2000E+03		166.0000				Th-232 [1.6893E-01 kg]	1.95745E+00	6.8753E-01	1.8582E-02	
												U-nat [1.5132E-01 kg]	1.13176E+01	3.9753E+00	1.0744E-01	
												Subtotal		4.8347E+00	1.3067E-01	
												Total Source [3.2025E-01 kg]		4.8347E+00	1.3067E-01	
4692/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1253	10369.1223	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1253	100	OXIDES/NONE	0.00	Th-230 [2.2895E-07 kg]	4.64894E-01	1.7790E-01	4.8080E-03	AU
		181.0000	11.4300	0.0200	<2.2000E+02	<2.2000E+03		181.0000				Th-232 [1.7484E-01 kg]	1.85957E+00	7.1158E-01	1.9232E-02	
												U-nat [2.1064E-01 kg]	1.44608E+01	5.5337E+00	1.4956E-01	
												Subtotal		6.4232E+00	1.7360E-01	
												Total Source [3.8548E-01 kg]		6.4232E+00	1.7360E-01	
4694/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9430.1860	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.5736E-07 kg]	3.51454E-01	1.2227E-01	3.3045E-03	AU
		164.0000	10.3950	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [1.2016E-01 kg]	1.40582E+00	4.8907E-01	1.3218E-02	
												U-nat [2.0950E-01 kg]	1.58199E+01	5.5034E+00	1.4874E-01	
												Subtotal		6.1147E+00	1.6526E-01	
												Total Source [3.2966E-01 kg]		6.1147E+00	1.6526E-01	
4701/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8988	9938.2095	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8988	100	OXIDES/NONE	0.00	Th-230 [1.2711E-07 kg]	2.69326E-01	9.8760E-02	2.6692E-03	AU
		173.0000	10.9550	0.0200	<2.2000E+02	<2.2000E+03		173.0000				Th-232 [9.7063E-02 kg]	1.07730E+00	3.9505E-01	1.0677E-02	
												U-nat [4.5464E-01 kg]	3.25697E+01	1.1943E+01	3.2279E-01	
												Subtotal		1.2437E+01	3.3614E-01	
												Total Source [5.5170E-01 kg]		1.2437E+01	3.3614E-01	
4713/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9752.2366	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [1.5260E-07 kg]	3.29539E-01	1.1857E-01	3.2047E-03	AU
		170.0000	10.7500	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [1.1653E-01 kg]	1.31816E+00	4.7430E-01	1.2819E-02	
												U-nat [2.0719E-01 kg]	1.51267E+01	5.4427E+00	1.4710E-01	
												Subtotal		6.0356E+00	1.6312E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-518

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.2372E-01 kg]		6.0356E+00	1.6312E-01	
4714/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.8422 171.0000	9815.7395 10.8200	0.0002 0.0200	<3.6740E-06 <2.2000E+02	<3.6740E-05 <2.2000E+03	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422 171.0000	100	OXIDES/NONE	0.00	Th-230 [6.2941E-08 kg] Th-232 [4.8064E-02 kg] U-nat [1.0096E-01 kg] Subtotal	1.35035E-01 5.40142E-01 7.32302E+00	4.8907E-02 1.9562E-01 2.6522E+00 2.8967E+00	1.3218E-03 5.2870E-03 7.1680E-02 7.8289E-02	AU
												Total Source [1.4902E-01 kg]		2.8967E+00	7.8289E-02	
Shipment Totals		43.4097 1533.0000	87996.9256 97.0000									SNM [5.6447E+00 g] Source [3.1986E+00 kg]		5.6404E+01	1.5244E+00	

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-518
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-518
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.0381E+00	2.8058E-02
Th-232	4.1526E+00	1.1223E-01
U-235	4.5948E-01	1.2418E-02
U-238	5.9460E+00	1.6070E-01
U-nat	4.4809E+01	1.2110E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	517	12/23/2003	1/15/2004	1528.00	A
0840	01	513	12/23/2003	1/15/2004	1520.00	A
0840	01	531	12/29/2003	1/17/2004	1512.00	A
0840	01	518	12/29/2003	1/17/2004	1533.00	A
0840	01	521	12/29/2003	1/17/2004	1504.00	A
0840	01	522	12/29/2003	1/17/2004	1552.00	A
0840	01	529	12/29/2003	1/17/2004	1562.00	A
0840	01	528	12/29/2003	1/17/2004	1536.00	A
0840	01	544	12/31/2003	1/17/2004	1522.00	A
0840	01	523	12/31/2003	1/17/2004	1551.00	A
0840	01	554	12/31/2003	1/17/2004	1513.00	A
0840	01	553	12/31/2003	1/17/2004	1526.00	A
0840	01	552	12/31/2003	1/17/2004	1528.00	A
0840	01	550	12/31/2003	1/17/2004	1653.00	A
0840	01	548	12/31/2003	1/17/2004	1485.00	A
0840	01	546	12/31/2003	1/17/2004	1507.00	A
0840	01	545	12/31/2003	1/17/2004	1501.00	A
0840	01	534	12/31/2003	1/17/2004	1501.00	A
0840	01	520	12/31/2003	1/17/2004	1541.00	A
0840	01	519	12/31/2003	1/17/2004	1497.00	A
0840	01	524	12/31/2003	1/17/2004	1507.00	A
0840	01	526	12/31/2003	1/17/2004	1548.00	A
0840	01	527	12/31/2003	1/17/2004	1577.00	A
0840	01	525	12/31/2003	1/17/2004	1528.00	A
0840	01	533	12/31/2003	1/17/2004	1551.00	A
0840	01	543	12/31/2003	1/17/2004	1515.00	A
0840	01	535	12/31/2003	1/17/2004	1529.00	A
0840	01	537	12/31/2003	1/17/2004	1506.00	A
0840	01	538	12/31/2003	1/17/2004	1528.00	A
0840	01	539	12/31/2003	1/17/2004	1556.00	A
0840	01	541	12/31/2003	1/17/2004	1589.00	A
0840	01	542	12/31/2003	1/17/2004	1523.00	A
0840	01	532	12/31/2003	1/17/2004	1532.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-518
☐ COLLECTOR
☐ PROCESSOR

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100026
☑ GENERATOR TYPE (Specify) I

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-518

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
266537

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature]
DATE: 12/29/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] — TITLE: Broker GTEOSI — DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES				16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		4.0948E+00	1.1067E-01	NA	20740 LBS; 164 FT3	4583
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-235	U-238	6.7698E+00	1.8297E-01	NA	22140 LBS; 175 FT3	4672
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		6.7978E+00	1.8373E-01	NA	21430 LBS; 169 FT3	4685
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		4.8347E+00	1.3067E-01	NA	20990 LBS; 166 FT3	4690
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		6.4232E+00	1.7360E-01	NA	22860 LBS; 181 FT3	4692
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat		6.1147E+00	1.6526E-01	NA	20790 LBS; 164 FT3	4694

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

[redacted]

hat Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a ate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or

Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's and be vested in Envirocare of Utah, Inc.

ll data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all ws, rules, regulations and Envirocare of Utah Inc.'s facility license.

e of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability aterial respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this nent of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-518	LI RR	MWCX 100026

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-12-03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840-01-518, 519, 520, 521, 522

uck Number- 36, 38

ailer Number- 225, 226

qualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the rresponding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-22-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100026

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4685	20410
		4690	20570
		Total:	40980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100026

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4713	21500
		4714	21640
		Total:	43140
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/12/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100026

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4701	21910
		4694	20790
		Total:	42700
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100026

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4583	20740
		4692	23210
		Total:	43950
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/12/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100026

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4672	22140
			0
		Total:	22140
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	208000	20410	20570	21500	21640	21910	20790	20740	23210	22140
	0840-01-518	Bag #	4685	4690	4713	4714	4701	4694	4583	4692	4672
	Storage Loc.										
100026	12/12/2003	208000	187590	167020	145520	123880	101970	81180	60440	37230	15090

Daily Shipping checklist for Trucks and Packages

Date: 12/12/2003

Inspector: N. Sawyer

Gondola #	MWCX 100026

Truck #s		Inspection	Surveyed
1		MJ	
2		MJ	

Gondola has been inspected for proper marking and labeling. Int. MJ

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4583		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4672		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4685		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4690		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4692		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4694		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4701		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4713		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4714		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Shipment Survey

Survey Number: GTEOSI 9167 Date: 12-3-03 Time: 1257

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4558 Storage Bin: 59 Gross Weight: 19060 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	27	<MDA
2	1		22	
3	2		22	
4	0		30	
5	1		21	
6	5		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

DEBRA LeFord — Debra L Page

Surveyor Name — Surveyor Signature

Supervisor Approval

07261-S-05Q044558-01.0
Date: 12/03/03 Time:1302

12-03-03 12:57 Bag# 4558
19060 lb GR
120303 1257 4558 0019060

Shipment Survey

Survey Number: GTEOSI 9670 Date: 12-5-03 Time: 1300

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4663 Storage Bin: 52 Gross Weight: 20570 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	24	LMDA
2	0		21	
3	0		26	
4	1		27	
5	0		21	
6	1		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Debra LePage

Surveyor Name — Surveyor Signature

Supervisor Approval

07402-S-05R044663-06.0

Date: 12/05/03 Time:1159

12-05-03 13:00 Bag# 4663

20570 lb GR

120503 1300 4663 0020570

Shipment Survey

Survey Number: GTEOSI 9669 Date: 12-5-03 Time: 1246

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4671 Storage Bin: 52 Gross Weight: ~~21160~~ lbs

21540 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	2	<MDA	22	<MDA
2	~~0~~		26	
3	2		35	
4	1		29	
5	~~0~~		25	
6	~~0~~		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra Heffner — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07400-S-11N224671-16.0

Date: 12/05/03 Time:1153

21540 lbs

12-05-03 12:46 Bag# 4671

~~21160 lb~~ GR

120503 1246 4671 0021160

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9677 Date: 12-5-03 Time: 1322

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4675 Storage Bin: 53 Gross Weight: ~~21790~~ lbs

20320 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	6 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	25	<MDA
2	~~0~~		24	
3	~~0~~		23	
4	~~0~~		32	
5	2		32	
6	2		34	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07406-S-050044675-06.0
Date: 12/05/03 Time:1324

20320 lbs

12-05-03 15:24 Bag# 4675
~~21790 lb~~ GR
120503 1524 4675 0021790

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9703 Date: 12-6-03 Time: 1122

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4695 Storage Bin: C60 Gross Weight: 22050 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	34	<MDA
2	0		20	
3	0		25	
4	1		22	
5	0		27	
6	0		21	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

S. A. [illegible]
Supervisor Approval

07441-S-11M214695-17.0
Date: 12/06/03 Time:1112

12-06-03 11:22 Bag# 4695
22050 lb GR
120603 1122 4695 0022050

Shipment Survey

Survey Number: GTEOSI 9698 Date: 12-6-03 Time: 1054

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4696 Storage Bin: 59 Gross Weight: ~~21430~~ lbs

22140 lbs JB 5/5/05

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	24	<MDA
2	Ø		29	
3	Ø		28	
4	Ø		34	
5	Ø		30	
6	Ø		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07435-S-11M214696-16.0
Date: 12/06/03 Time:1055

22140 lbs

12-06-03 10:54 Bag# 4696

~~21430~~ lb GR

120603 1054 4696 0021430

JB 5/5/05

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9700 Date: 12-6-03 Time: 1102

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4700 Storage Bin: 59 Gross Weight: 20520 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	Ø	<MDA	28	<MDA
2	Ø		30	
3	Ø		29	
4	Ø		19	
5	Ø		25	
6	Ø		33	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07430-S-050054700-03.0

Date: 12/06/03 Time:1037

12-06-03 11:02 Bag# 4700

20520 lb GR

120603 1102 4700 0020520

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9705 Date: 12-6-03 Time: 1135

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4705 Storage Bin: 60 Gross Weight: 21410 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	1	<MDA	25	<MDA
2	0		33	
3	1		25	
4	0		27	
5	1		37	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07445-S-11M214705-17.0

Date: 12/06/03 Time:1158

12-06-03 11:35 Bag# 4705

21410 lb GR

120603 1135 4705 0021410

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9710 Date: 12-6-03 Time: 1202

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4708 Storage Bin: 62 Gross Weight: 21680 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	28	<MDA
2	~~0~~		30	
3	~~0~~		27	
4	1		35	
5	~~0~~		32	
6	~~0~~		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Surveyor Signature

Supervisor Approval

07447-S-11N214708-17.0
Date: 12/06/03 Time:1203

12-06-03 12:02 Bag# 4708
21680 lb GR
120603 1202 4708 0021680

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-519
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100289

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – *Authorized carrier acknowledging waste receipt*: George Amato
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-519

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3266E+00	1.7099E-01	NA	19060 LBS; 151 FT3	4558
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.3388E+00	2.5240E-01	NA	20570 LBS; 163 FT3	4663
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4273E+01	3.8575E-01	NA	21540 LBS; 170 FT3	4671
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.3979E+00	1.4589E-01	NA	20320 LBS; 161 FT3	4675
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.4857E+01	4.0156E-01	NA	22050 LBS; 174 FT3	4695
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2716E+01	3.4368E-01	NA	22140 LBS; 175 FT3	4696

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-519

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.5160E+01	4.0974E-01	NA	20590 LBS; 163 FT3	4700
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.6400E+00	2.0649E-01	NA	21410 LBS; 169 FT3	4705
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.4311E+00	1.4678E-01	NA	21680 LBS; 171 FT3	4708

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.3901 / ft3 1497.0000	kg 85565.6703 / ton 94.3200	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	9.1095E+01	NP	NP	NP	NP	(kg)	4.3457E+00
mCi	2.4620E+00	NP	NP	NP	NP	(tons)	4.7904E-03

2. MANIFEST NUMBER 0840-01-519

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-519

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4558/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2758	8645.4711	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2758	100	OXIDES/NONE	0.00	Th-230 [8.5223E-08 kg]	2.07695E-01	6.6219E-02	1.7897E-03	AU
		151.0000	9.5300	0.0200	<2.2000E+02	<2.2000E+03		151.0000				Th-232 [6.5080E-02 kg]	8.30780E-01	2.6488E-01	7.1588E-03	
												U-nat [2.2823E-01 kg]	1.88053E+01	5.9955E+00	1.6204E-01	
												Subtotal		6.3266E+00	1.7099E-01	
												Total Source [2.9331E-01 kg]		6.3266E+00	1.7099E-01	
4663/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9330.3957	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [1.1882E-08 kg]	2.68227E-02	(9.2322E-03)	(2.4952E-04)	AU
		163.0000	10.2850	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [9.0734E-03 kg]	1.07291E-01	(3.6929E-02)	(9.9807E-04)	
												U-nat [3.5373E-01 kg]	2.69980E+01	9.2926E+00	2.5115E-01	
												Subtotal		9.2926E+00	2.5115E-01	
												Total Source [3.6280E-01 kg]		9.2926E+00	2.5115E-01	
4671/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8139	9770.3803	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [6.2106E-07 kg]	1.33865E+00	4.8255E-01	1.3042E-02	AU
		170.0000	10.7700	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [4.7427E-01 kg]	5.35461E+00	1.9303E+00	5.2169E-02	
												U-nat [4.5146E-01 kg]	3.28998E+01	1.1860E+01	3.2054E-01	
												Subtotal		1.4273E+01	3.8575E-01	
												Total Source [9.2573E-01 kg]		1.4273E+01	3.8575E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-519

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4675/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9216.9976	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [8.7421E-08 kg]	1.99787E-01	6.7925E-02	1.8358E-03	AU
		161.0000	10.1600	0.0200	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [6.6758E-02 kg]	7.99149E-01	2.7171E-01	7.3434E-03	
												U-nat [1.9255E-01 kg]	1.48778E+01	5.0583E+00	1.3671E-01	
												Subtotal		5.3979E+00	1.4589E-01	
												Total Source [2.5931E-01 kg]		5.3979E+00	1.4589E-01	
4695/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9271	10001.7124	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9271	100	OXIDES/NONE	0.00	Th-230 [1.2540E-07 kg]	2.64007E-01	9.7432E-02	2.6333E-03	AU
		174.0000	11.0250	0.0200	<2.2000E+02	<2.2000E+03		174.0000				Th-232 [9.5757E-02 kg]	1.05603E+00	3.8972E-01	1.0533E-02	
												U-nat [5.4702E-01 kg]	3.89385E+01	1.4370E+01	3.8839E-01	
												Subtotal		1.4857E+01	4.0156E-01	
												Total Source [6.4278E-01 kg]		1.4857E+01	4.0156E-01	
4696/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.9554	10042.5357	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.9554	100	OXIDES/NONE	0.00	Th-230 [9.3810E-08 kg]	1.96702E-01	7.2890E-02	1.9700E-03	AU
		175.0000	11.0700	0.0200	<2.2000E+02	<2.2000E+03		175.0000				Th-232 [7.1637E-02 kg]	7.86809E-01	2.9156E-01	7.8801E-03	
												U-nat [4.7018E-01 kg]	3.33317E+01	1.2352E+01	3.3383E-01	
												Subtotal		1.2716E+01	3.4368E-01	
												Total Source [5.4181E-01 kg]		1.2716E+01	3.4368E-01	
4700/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6156	9339.4675	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6156	100	OXIDES/NONE	0.00	Th-230 [1.0321E-07 kg]	2.32766E-01	8.0194E-02	2.1674E-03	AU
		163.0000	10.2950	0.0200	<2.2000E+02	<2.2000E+03		163.0000				Th-232 [7.8815E-02 kg]	9.31064E-01	3.2078E-01	8.6696E-03	
												U-nat [5.6183E-01 kg]	4.28393E+01	1.4759E+01	3.9890E-01	
												Subtotal		1.5160E+01	4.0974E-01	
												Total Source [6.4065E-01 kg]		1.5160E+01	4.0974E-01	
4705/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7855	9711.4133	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7855	100	OXIDES/NONE	0.00	Th-230 [1.3589E-07 kg]	2.94681E-01	1.0558E-01	2.8536E-03	AU
		169.0000	10.7050	0.0200	<2.2000E+02	<2.2000E+03		169.0000				Th-232 [1.0377E-01 kg]	1.17872E+00	4.2236E-01	1.1415E-02	
												U-nat [2.7073E-01 kg]	1.98493E+01	7.1121E+00	1.9222E-01	
												Subtotal		7.6400E+00	2.0649E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-519

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [3.7450E-01 kg]		7.6400E+00	2.0649E-01	
4708/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9833.8832	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.5937E-07 kg]	3.41277E-01	1.2383E-01	3.3467E-03	AU
		171.0000	10.8400	0.0200	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [1.2170E-01 kg]	1.36511E+00	4.9532E-01	1.3387E-02	
												U-nat [1.8316E-01 kg]	1.32614E+01	4.8119E+00	1.3005E-01	
												Subtotal		5.4311E+00	1.4678E-01	
												Total Source [3.0486E-01 kg]		5.4311E+00	1.4678E-01	
Shipment Totals		42.3901	85892.2568									Source [4.3457E+00 kg]		9.1095E+01	2.4620E+00	
		1497.0000	94.6800													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-519
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-519
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	1.1059E+00	2.9888E-02
Th-232	4.4235E+00	1.1955E-01
U-nat	8.5611E+01	2.3138E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	517	12/23/2003	1/15/2004	1528.00	A
0840	01	513	12/23/2003	1/15/2004	1520.00	A
0840	01	531	12/29/2003	1/17/2004	1512.00	A
0840	01	518	12/29/2003	1/17/2004	1533.00	A
0840	01	521	12/29/2003	1/17/2004	1504.00	A
0840	01	522	12/29/2003	1/17/2004	1552.00	A
0840	01	529	12/29/2003	1/17/2004	1562.00	A
0840	01	528	12/29/2003	1/17/2004	1536.00	A
0840	01	544	12/31/2003	1/17/2004	1522.00	A
0840	01	523	12/31/2003	1/17/2004	1551.00	A
0840	01	554	12/31/2003	1/17/2004	1513.00	A
0840	01	553	12/31/2003	1/17/2004	1526.00	A
0840	01	552	12/31/2003	1/17/2004	1528.00	A
0840	01	550	12/31/2003	1/17/2004	1653.00	A
0840	01	548	12/31/2003	1/17/2004	1485.00	A
0840	01	546	12/31/2003	1/17/2004	1507.00	A
0840	01	545	12/31/2003	1/17/2004	1501.00	A
0840	01	534	12/31/2003	1/17/2004	1501.00	A
0840	01	520	12/31/2003	1/17/2004	1541.00	A
0840	01	519	12/31/2003	1/17/2004	1497.00	A
0840	01	524	12/31/2003	1/17/2004	1507.00	A
0840	01	526	12/31/2003	1/17/2004	1548.00	A
0840	01	527	12/31/2003	1/17/2004	1577.00	A
0840	01	525	12/31/2003	1/17/2004	1528.00	A
0840	01	533	12/31/2003	1/17/2004	1551.00	A
0840	01	543	12/31/2003	1/17/2004	1515.00	A
0840	01	535	12/31/2003	1/17/2004	1529.00	A
0840	01	537	12/31/2003	1/17/2004	1506.00	A
0840	01	538	12/31/2003	1/17/2004	1528.00	A
0840	01	539	12/31/2003	1/17/2004	1556.00	A
0840	01	541	12/31/2003	1/17/2004	1589.00	A
0840	01	542	12/31/2003	1/17/2004	1523.00	A
0840	01	532	12/31/2003	1/17/2004	1532.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-519
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100289

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: [signature]
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-519

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt: [signature] 666619
DATE: 12/31/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Order Desk DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.3266E+00	1.7099E-01	NA	19060 LBS; 151 FT3	4558
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				9.3388E+00	2.5240E-01	NA	20570 LBS; 163 FT3	4663
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				1.4273E+01	3.8575E-01	NA	21540 LBS; 170 FT3	4671
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				5.3979E+00	1.4589E-01	NA	20320 LBS; 161 FT3	4675
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				1.4857E+01	4.0156E-01	NA	22050 LBS; 174 FT3	4695
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / [redacted]				1.2716E+01	3.4368E-01	NA	22140 LBS; 175 FT3	4696

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
✓ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-519	LI RR	MWCX 100289

Item	SAT	UNSAT	Criteria	Comments
Coupler	☒	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☒	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☒	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☒	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☒	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☒	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☒	☒	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☒	☒	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☒	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☒	☒	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☒	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☒	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☒	☒	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 12-12-03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840 01-518, 519, 520, 521, 522

ıck Number- 36, 38

ıiler Number- 225, 226

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑ N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑ N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-22-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100289

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4708	21680
			0
		Total:	21680
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100289

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4700	20520
		4675	21790
		Total:	42310
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100289

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4663	20570
		4705	21410
		Total:	41980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100289

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4671	21160
		4558	19060
		Total:	40220
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport	Amato		12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100289

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4558	22050
		4696	21430
		Total:	43480
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/12/2003

Inspector: N. Sawyer

Gondola #	MWCX 100289

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4558		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4663		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4671		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4675		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4695		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4696		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4700		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4705		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4708		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204300	21680	20520	21790	20570	21410	21160	19060	21430	22050
	0840-01-519	Bag #	4708	4700	4675	4663	4705	4671	4558	4696	4695
	Storage Loc.										
100289	12/12/2003	204300	182620	162100	140310	119740	98330	77170	58110	36680	14630

Shipment Survey

Survey Number: GTEOSI 9702 Date: 12-6-03 Time: 1117

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4698 Storage Bin: 60 Gross Weight: ~~19760~~ lbs JB 5/5/05

20840 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	29	<MDA
2	0		30	
3	0		31	
4	1		21	
5	0		35	
6	0		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07429-S-050054698-03.0
Date: 12/06/03 Time:1034

20840 lbs

12-06-03 11:17 Bag# 4698

~~19760~~ lb GR

120603 1117 4698 0019760

JB 5/5/05

Shipment Survey

Survey Number: GTEOSI 9699 Date: 12-6-03 Time: 1057

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4699 Storage Bin: 59 Gross Weight: 20690 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	~~0~~	<MDA	18	<MDA
2	1	↓	24	↓
3	~~0~~		23	
4	~~0~~		25	
5	1		24	
6	~~0~~		27	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07437-S-11N214699-17.0
Date: 12/06/03 Time:1101

12-06-03 10:57 Bag# 4699
20690 lb GR
120603 1057 4699 0020690

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9708 Date: 12-6-03 Time: 1153

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4703 Storage Bin: C1 Gross Weight: 23750 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	600
Smear #				
1	0	<MDA	29	<MDA
2	0		31	
3	0		29	
4	0		19	
5	0		25	
6	2		29	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

S. D[illegible]
Supervisor Approval

07438-S-050054703-06.0
Date: 12/06/03 Time:1106

12-06-03 11:53 Bag# 4703
23750 lb GR
120603 1153 4703 0023750

Shipment Survey

Survey Number: GTEOSI 9704 Date: 12-6-03 Time: 1130

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4704 Storage Bin: 60 Gross Weight: 21080 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	31	<MDA
2	2		30	
3	0		25	
4	0		30	
5	0		39	
6	1		30	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

S. Q
Supervisor Approval

07443-S-11N214704-17.0
Date: 12/06/03 Time:1120

12-06-03 11:30 Bag# 4704
21080 lb GR
120603 1130 4704 0021080

Shipment Survey

Survey Number: GTEOSI 9706 Date: 12-6-03 Time: 1139

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4707 Storage Bin: C1 Gross Weight: 20950 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	32	LMDA
2	0		31	
3	0		22	
4	0		32	
5	1		25	
6	0		32	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07446-S-1IM214707-17.0
Date: 12/06/03 Time:1200

12-06-03 11:39 Bag# 4707
20950 lb GR
120603 1139 4707 0020950

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOSI 9707 Date: 12-6-03 Time: 1149

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4712 Storage Bin: 61 Gross Weight: 23040 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	8 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	30	<MDA
2	1		32	
3	0		28	
4	0		28	
5	0		30	
6	0		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra LePage — Surveyor Signature

Supervisor Approval

07444-S-05Q054712-06.0
Date: 12/06/03 Time:1153

12-06-03 11:49 Bag# 4712
23040 lb GR
120603 1149 4712 0023040

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOST 9771 Date: 12-8-03 Time: 1546

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4767 Storage Bin: 100 AISLE Gross Weight: 21670 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	31	<MDA
2	0		21	
3	0		28	
4	2		19	
5	0		31	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07511-S-05R054767-06.0
Date: 12/08/03 Time:1517

12-08-03 15:46 Bag# 4767
21670 lb GR
120803 1546 4767 0021670

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOST 9770 Date: 12-8-03 Time: 1543

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4769 Storage Bin: 100' AISLE Gross Weight: 21260 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	22	LMDA
2	0		24	
3	0		26	
4	0		29	
5	1		30	
6	0		22	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07513-S-11P204769-12.0
Date: 12/08/03 Time:1524

12-08-03 15:43 Bag# 4769
21260 lb GR
120803 1543 4769 0021260

Shipment Survey

Survey Number: GTEOST 9774 Date: 12-8-03 Time: 1601

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4772 Storage Bin: 100 AISLE Gross Weight: 21530 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 102 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	37	LMDA
2	0		18	
3	0		28	
4	1		34	
5	0		30	
6	0		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07522-S-11P214772-18.0
Date: 12/08/03 Time:1550

12-08-03 16:01 Bag# 4772
21530 lb GR
120803 1601 4772 0021530

Revised

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====> EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100293
CONTACT: Jean Agostinelli

SHIPPER I.D. NUMBER: 0840-01-520
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003
CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt: George Amato
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-520

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0875E+00	1.9155E-01	NA	20840 LBS; 165 FT3	4698
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.9245E+00	1.8715E-01	NA	20690 LBS; 164 FT3	4699
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.8499E+00	1.5811E-01	NA	23750 LBS; 188 FT3	4703
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	6.4602E+00	1.7460E-01	NA	21080 LBS; 167 FT3	4704
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.8648E+00	2.1256E-01	NA	20950 LBS; 166 FT3	4707
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	3.8140E+00	1.0308E-01	NA	23040 LBS; 182 FT3	4712

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-520

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	2.2085E+01	5.9690E-01	NA	21670 LBS; 171 FT3	4767
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2298E+01	3.3239E-01	NA	21260 LBS; 168 FT3	4769
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1418E+01	3.0858E-01	NA	21530 LBS; 170 FT3	4772

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME		NET WASTE WEIGHT		SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3	43.6364	kg	88037.7489	NP	NP	NP	NP
	ft3	1541.0000	ton	97.0450				

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	8.3802E+01	NP	NP	NP	NP	(kg)	3.7738E+00
mCi	2.2649E+00	NP	NP	NP	NP	(tons)	4.1599E-03

2. MANIFEST NUMBER 0840-01-520

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-520

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4698/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9452.8656	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [1.5239E-07 kg]	3.39539E-01	1.1841E-01	3.2002E-03	AU
		165.0000	10.4200	0.0200	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [1.1637E-01 kg]	1.35816E+00	4.7364E-01	1.2801E-02	
												U-nat [2.4725E-01 kg]	1.86253E+01	6.4954E+00	1.7555E-01	
												Subtotal		7.0875E+00	1.9155E-01	
												Total Source [3.6362E-01 kg]		7.0875E+00	1.9155E-01	
4699/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6440	9384.8268	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6440	100	OXIDES/NONE	0.00	Th-230 [1.2533E-07 kg]	2.81277E-01	9.7380E-02	2.6319E-03	AU
		164.0000	10.3450	0.0200	<2.2000E+02	<2.2000E+03		164.0000				Th-232 [9.5705E-02 kg]	1.12511E+00	3.8954E-01	1.0528E-02	
												U-nat [2.4506E-01 kg]	1.85947E+01	6.4376E+00	1.7399E-01	
												Subtotal		6.9245E+00	1.8715E-01	
												Total Source [3.4076E-01 kg]		6.9245E+00	1.8715E-01	
4703/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.3236	10772.8195	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.3236	100	OXIDES/NONE	0.00	Th-230 [8.2729E-08 kg]	1.61667E-01	6.4280E-02	1.7373E-03	AU
		188.0000	11.8750	0.0200	<2.2000E+02	<2.2000E+03		188.0000				Th-232 [6.3175E-02 kg]	6.46667E-01	2.5712E-01	6.9492E-03	
												U-nat [2.1045E-01 kg]	1.39043E+01	5.5285E+00	1.4942E-01	
												Subtotal		5.8499E+00	1.5811E-01	
												Total Source [2.7362E-01 kg]		5.8499E+00	1.5811E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-520

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4704/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.7289	9561.7278	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [1.2561E-07 kg]	2.76667E-01	9.7595E-02	2.6377E-03	AU
		167.0000	10.5400	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [9.5918E-02 kg]	1.10667E+00	3.9039E-01	1.0551E-02	
												U-nat [2.2733E-01 kg]	1.69296E+01	5.9722E+00	1.6141E-01	
												Subtotal		6.4602E+00	1.7460E-01	
												Total Source [3.2325E-01 kg]		6.4602E+00	1.7460E-01	
4707/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9502.7608	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [1.0269E-07 kg]	2.27589E-01	7.9787E-02	2.1564E-03	AU
		166.0000	10.4750	0.0200	<2.2000E+02	<2.2000E+03		166.0000				Th-232 [7.8415E-02 kg]	9.10355E-01	3.1915E-01	8.6256E-03	
												U-nat [2.8419E-01 kg]	2.12957E+01	7.4659E+00	2.0178E-01	
												Subtotal		7.8648E+00	2.1256E-01	
												Total Source [3.6261E-01 kg]		7.8648E+00	2.1256E-01	
4712/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.1537	10450.7689	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.1537	100	OXIDES/NONE	0.00	Th-230 [7.4544E-08 kg]	1.50177E-01	5.7920E-02	1.5654E-03	AU
		182.0000	11.5200	0.0200	<2.2000E+02	<2.2000E+03		182.0000				Th-232 [5.6925E-02 kg]	6.00709E-01	2.3168E-01	6.2617E-03	
												U-nat [1.3416E-01 kg]	9.13802E+00	3.5244E+00	9.5253E-02	
												Subtotal		3.8140E+00	1.0308E-01	
												Total Source [1.9108E-01 kg]		3.8140E+00	1.0308E-01	
4767/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.8422	9829.3473	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8422	100	OXIDES/NONE	0.00	Th-230 [1.1124E-07 kg]	2.38333E-01	8.6436E-02	2.3361E-03	AU
		171.0000	10.8350	0.0100	<2.2000E+02	<2.2000E+03		171.0000				Th-232 [8.4950E-02 kg]	9.53333E-01	3.4574E-01	9.3444E-03	
												U-nat [8.2426E-01 kg]	5.97054E+01	2.1653E+01	5.8522E-01	
												Subtotal		2.2085E+01	5.9690E-01	
												Total Source [9.0921E-01 kg]		2.2085E+01	5.9690E-01	
4769/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.7572	9643.3744	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [9.3202E-08 kg]	2.03546E-01	7.2416E-02	1.9572E-03	AU
		168.0000	10.6300	0.0100	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [7.1172E-02 kg]	8.14184E-01	2.8967E-01	7.8290E-03	
												U-nat [4.5436E-01 kg]	3.35491E+01	1.1936E+01	3.2260E-01	
												Subtotal		1.2298E+01	3.3239E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-520

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(fl3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [5.2554E-01 kg]		1.2298E+01	3.3239E-01	
4772/GTEOSI	19 Strong Tight Container Loaded In Gondola	4.8139	9765.8444	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.8139	100	OXIDES/NONE	0.00	Th-230 [8.0330E-08 kg]	1.73227E-01	6.2415E-02	1.6869E-03	AU
		170.0000	10.7650	0.0200	<2.2000E+02	<2.2000E+03		170.0000				Th-232 [6.1343E-02 kg]	6.92908E-01	2.4966E-01	6.7477E-03	
												U-nat [4.2275E-01 kg]	3.08218E+01	1.1106E+01	3.0015E-01	
												Subtotal		1.1418E+01	3.0858E-01	
												Total Source [4.8409E-01 kg]		1.1418E+01	3.0858E-01	
Shipment Totals		43.6364	88364.3355									Source [3.7738E+00 kg]		8.3802E+01	2.2649E+00	
		1541.0000	97.4050													

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-520
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-520
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	7.3664E-01	1.9909E-02
Th-232	2.9466E+00	7.9637E-02
U-nat	8.0118E+01	2.1654E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	517	12/23/2003	1/15/2004	1526.00	A
0840	01	513	12/23/2003	1/15/2004	1520.00	A
0840	01	531	12/29/2003	1/17/2004	1512.00	A
0840	01	518	12/29/2003	1/17/2004	1533.00	A
0840	01	521	12/29/2003	1/17/2004	1504.00	A
0840	01	522	12/29/2003	1/17/2004	1552.00	A
0840	01	529	12/29/2003	1/17/2004	1562.00	A
0840	01	528	12/29/2003	1/17/2004	1536.00	A
0840	01	544	12/31/2003	1/17/2004	1522.00	A
0840	01	523	12/31/2003	1/17/2004	1551.00	A
0840	01	554	12/31/2003	1/17/2004	1513.00	A
0840	01	553	12/31/2003	1/17/2004	1526.00	A
0840	01	552	12/31/2003	1/17/2004	1528.00	A
0840	01	550	12/31/2003	1/17/2004	1653.00	A
0840	01	548	12/31/2003	1/17/2004	1485.00	A
0840	01	546	12/31/2003	1/17/2004	1507.00	A
0840	01	545	12/31/2003	1/17/2004	1501.00	A
0840	01	534	12/31/2003	1/17/2004	1501.00	A
0840	01	520	12/31/2003	1/17/2004	1541.00	A
0840	01	519	12/31/2003	1/17/2004	1497.00	A
0840	01	524	12/31/2003	1/17/2004	1507.00	A
0840	01	526	12/31/2003	1/17/2004	1548.00	A
0840	01	527	12/31/2003	1/17/2004	1577.00	A
0840	01	525	12/31/2003	1/17/2004	1528.00	A
0840	01	533	12/31/2003	1/17/2004	1551.00	A
0840	01	543	12/31/2003	1/17/2004	1515.00	A
0840	01	535	12/31/2003	1/17/2004	1529.00	A
0840	01	537	12/31/2003	1/17/2004	1506.00	A
0840	01	538	12/31/2003	1/17/2004	1528.00	A
0840	01	539	12/31/2003	1/17/2004	1556.00	A
0840	01	541	12/31/2003	1/17/2004	1589.00	A
0840	01	542	12/31/2003	1/17/2004	1523.00	A
0840	01	532	12/31/2003	1/17/2004	1532.00	A

Dave Tolbert
Director of LLRW Operations

12/8/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

Revised

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-520
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100293

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- *Authorized carrier acknowledging waste receipt*
DATE: [illegible]

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-520

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
L-66619

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE: 12/31/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE [illegible] | DATE [illegible]

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.0875E+00	1.9155E-01	NA	20840 LBS; 165 FT3	4698
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	[redacted]		U-nat	6.9245E+00	1.8715E-01	NA	20690 LBS; 164 FT3	4699
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	[redacted]			[redacted]	1.5811E-01	NA	23750 LBS; 188 FT3	4703
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	[redacted]			[redacted]	1.7460E-01	NA	21080 LBS; 167 FT3	4704
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	[redacted]			[redacted]	2.1256E-01	NA	20950 LBS; 166 FT3	4707
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	[redacted]			[redacted]	1.0308E-01	NA	23040 LBS; 182 FT3	4712

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
X No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Gener[illegible] erial __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompa[illegible] eted hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-520	LI RR	MWCX 100293

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Wayne Johnson

Shipment Date 12-12-03

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0940 01-518, 519, 520, 521, 522

ıck Number- 36, 38

ıiler Number- 225, 226

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the responding box.

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑ N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑ N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12-7-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100293

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4704	21080
		4698	19760
		Total:	40840
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100293

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4699	20690
	4712	~~14717~~	23040 ~~21780~~
		Total:	42470
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100293

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4703	23750
		4772	21530
		Total:	45280
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper MHF-LS For GTE Operations Support Incorporated
140 Contiague Rock Road
Hicksville, NY 11801

Date: 12/12/2003

Consigned to MHF-LS @ New York-Atlantic Rail Spur
Hicksville, NY 11801

Gondola
MWCX
100293

Emergency Contact: CHEMTREC 800-424-9300

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4707	20950
		4769	21260
		Total:	42210
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100293

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4767	21670
			0
		Total:	21670
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/12/2003

Inspector: N. Sawyer

Gondola #	MWCX 100293

Truck #'s		Inspection	Surveyed
1		MS	
2		MS	

Gondola has been inspected for proper marking and labeling. Int. MS

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4698		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4699		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4703		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4704		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4707		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4712		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4767		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4769		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4772		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204500	21080	19760	20690	23040	23750	21530	20950	21260	21670
	0840-01-520	Bag #	4704	4698	4699	4712	4703	4772	4707	4769	4767
	Storage Loc.										
100293	12/12/2003	204500	183420	163660	142970	119930	96180	74650	53700	32440	10770

Shipment Survey

Survey Number: GTEOST 9752 Date: 12-8-03 Time: 1343

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4755 Storage Bin: 100 AISLE Gross Weight: 21020 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	<MDA	24	<MDA
2	~~0~~		21	
3	~~0~~		30	
4	1		23	
5	1		34	
6	~~0~~	↓	14	↓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage — Surveyor Name

Debra L Page — Surveyor Signature

Supervisor Approval

07503-S-11P194755-06.0

Date: 12/08/03 Time:1407

12-08-03 13:43 Bag# 4755

21020 lb GR

120803 1343 4755 0021020

Shipment Survey

Survey Number: GTEOST 9767 Date: 12-8-03 Time: 1529

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4756 Storage Bin: 100 AISLE Gross Weight: 20390 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: 101 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	<MDA	31	<MDA
2	0		20	
3	0		29	
4	0		33	
5	0		28	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07494-S-05R054756-06.0
Date: 12/08/03 Time:1343

12-08-03 15:29 Bag# 4756
20390 lb GR
120803 1529 4756 0020390

Shipment Survey

Survey Number: GTEOST 9764 Date: 12-8-03 Time: 1517

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4766 Storage Bin: 100 AISLE Gross Weight: 18960 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: <.01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	1	LMDA	33	LMDA
2	0		28	
3	1		32	
4	0		24	
5	1		25	
6	0		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L. Page
Surveyor Signature

Supervisor Approval

07510-6-11P214766-17.0
Date: 12/08/03 Time:1514

12-08-03 15:17 Bag# 4766
18960 lb GR
120803 1517 4766 0018960

Shipment Survey

Survey Number: GTEOST 9765 Date: 12-8-03 Time: 1520

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4768 Storage Bin: 100 AISLE Gross Weight: 22480 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	~~0~~	<MDA	28	<MDA
2	1		18	
3	~~0~~		29	
4	2		31	
5	~~0~~		31	
6	~~0~~		19	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07512-S-05R054768-06.0
Date: 12/08/03 Time:1521

12-08-03 15:20 Bag# 4768
22480 lb GR
120803 1520 4768 0022480

NYSDEC:V00089-1; URS27010-039

Shipment Survey

Survey Number: GTEOST 9773 Date: 12-8-03 Time: 1556

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4770 Storage Bin: 100 A15C6 Gross Weight: 21090 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	33	<MDA
2	Ø		30	
3	1		36	
4	Ø		36	
5	Ø		26	
6	1		25	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LeFage
Surveyor Name

Debra LeFage
Surveyor Signature

Supervisor Approval

07515-S-11P204770-12.0
Date: 12/08/03 Time:1527

12-08-03 15:56 Bag# 4770
21090 lb GR
120803 1556 4770 0021090

Shipment Survey

Survey Number: GTEOST 9766 Date: 12-8-03 Time: 1525

Waste Container Type: (Super Sack) Intermodal Other: NA

Waste Container ID #: 4771 Storage Bin: 100 AISLE Gross Weight: 20820 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	29	LMDA
2	Ø		27	
3	Ø		25	
4	1		36	
5	Ø		20	
6	Ø		24	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07514-S-05R054771-06.0
Date: 12/08/03 Time:1524

12-08-03 15:25 Bag# 4771
20820 lb GR
120803 1525 4771 0020820

Shipment Survey

Survey Number: GTEOST 9769 Date: 12-8-03 Time: 1537

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4773 Storage Bin: 100 AISLE Gross Weight: 21230 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 uR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	LMDA	35	LMDA
2	Ø		27	
3	Ø		22	
4	Ø		21	
5	1		25	
6	1	✓	20	✓

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07516-S-05R054773-06.0
Date: 12/08/03 Time:1531

12-08-03 15:37 Bag# 4773
21230 lb GR
120803 1537 4773 0021230

Shipment Survey

Survey Number: GTEOST 9768 Date: 12-8-03 Time: 1534

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4774 Storage Bin: 100 AISLE Gross Weight: 20930 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .01 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	0	LMDA	25	LMDA
2	1		24	
3	1		33	
4	0		33	
5	0		24	
6	0		20	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra LePage
Surveyor Signature

Supervisor Approval

07523-S-11P214774-18.0
Date: 12/08/03 Time:1552

12-08-03 15:34 Bag# 4774
20930 lb GR
120803 1534 4774 0020930

Shipment Survey

Survey Number: GTEOST 9772 Date: 12-8-03 Time: 1552

Waste Container Type: Super Sack Intermodal Other: NA

Waste Container ID #: 4775 Storage Bin: 100 A15 CC Gross Weight: 23230 lbs

	Ludlum 3030		Ludlum 3030		Ludlum 3030		Ludlum 19
Serial #	191263		196165		191250		193615
Probe #	NA		NA		NA		NA
Calibration Due Date:	4-27-04		8-4-04		4-17-04		5-15-04
	α	β	α	β	α	β	
Background	0 cpm	25 cpm	0 cpm	25 cpm	0 cpm	25 cpm	7 μR/hr
Efficiency	29 %	25 %	29 %	25 %	29 %	25 %	
MDA	25 dpm	130 dpm	25 dpm	130 dpm	25 dpm	130 dpm	

Maximum Contact Dose Rate: .02 mrem/hr Transport Index: 0 mrem/hr

	α cpm	α dpm/100 cm2	β cpm	β dpm/100 cm2
ALARA Limit	N/A	60	N/A	500
Smear #				
1	Ø	<MDA	31	<MDA
2	Ø		19	
3	1		25	
4	Ø		27	
5	Ø		18	
6	Ø		28	

Smear Locations: 1 - Bottom 2 - Front 3 - Right Side 4 - Back 5 - Left Side 6 - Top

Debra LePage
Surveyor Name

Debra L Page
Surveyor Signature

Supervisor Approval

07524-S-11P204775-12.0
Date: 12/08/03 Time:1556

12-08-03 15:52 Bag# 4775
23230 lb GR
120803 1552 4775 0023230

NYSDEC:V00089-1; URS27010-039

FORM 540 — **Envirocare of Utah, Inc.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
GTEOSI
140 Cantlague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-521
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100294

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER – Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE – Authorized carrier acknowledging waste receipt: George Calmato
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-521

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE – Authorized consignee acknowledging waste receipt

DATE

10. CERTIFICATION

This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE: [signature] TITLE: Broker GTEOSI DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0718E+01	2.8968E-01	NA	21020 LBS; 166 FT3	4755
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1416E+01	3.0854E-01	NA	20390 LBS; 161 FT3	4756
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0602E+01	2.8652E-01	NA	18960 LBS; 150 FT3	4766
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3290E+01	3.5919E-01	NA	22480 LBS; 178 FT3	4768
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2655E+01	3.4204E-01	NA	21090 LBS; 167 FT3	4770
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0303E+01	2.7846E-01	NA	20820 LBS; 165 FT3	4771

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540A

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER (CONTINUATION)

8. MANIFEST NUMBER
(Use this number on all continuation pages)
0840-01-521

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	9.5935E+00	2.5928E-01	NA	21230 LBS; 168 FT3	4773
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	5.6582E+00	1.5292E-01	NA	20930 LBS; 165 FT3	4774
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	7.7984E+00	2.1077E-01	NA	23230 LBS; 184 FT3	4775

FORM 541

Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
9	m3 42.5885 ft3 1504.0000	kg 85924.0084 ton 94.7150	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	
MBq	9.2034E+01	NP	NP	NP	NP	(kg)	3.9611E+00
mCi	2.4874E+00	NP	NP	NP	NP	(tons)	4.3664E-03

2. MANIFEST NUMBER 0840-01-521

3. PAGE 1 OF 3 PAGE(S)

4. SHIPPER NAME GTEOSI

SHIPMENT ID NUMBER 0840-01-521

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
4755/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7006	9534.5122	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7006	100	OXIDES/NONE	0.00	Th-230 [1.0828E-07 kg]	2.39184E-01	8.4134E-02	2.2739E-03	AU
		166.0000	10.5100	0.0200	<2.2000E+02	<2.2000E+03		166.0000				Th-232 [8.2686E-02 kg]	9.56738E-01	3.3653E-01	9.0955E-03	
												U-nat [3.9199E-01 kg]	2.92749E+01	1.0297E+01	2.7831E-01	
												Subtotal		1.0718E+01	2.8968E-01	
												Total Source [4.7467E-01 kg]		1.0718E+01	2.8968E-01	
4756/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.5590	9248.7490	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.5590	100	OXIDES/NONE	0.00	Th-230 [6.2857E-08 kg]	1.43156E-01	4.8840E-02	1.3200E-03	AU
		161.0000	10.1950	0.0100	<2.2000E+02	<2.2000E+03		161.0000				Th-232 [4.8000E-02 kg]	5.72624E-01	1.9536E-01	5.2800E-03	
												U-nat [4.2527E-01 kg]	3.27461E+01	1.1172E+01	3.0194E-01	
												Subtotal		1.1416E+01	3.0854E-01	
												Total Source [4.7327E-01 kg]		1.1416E+01	3.0854E-01	
4766/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.2475	8600.1119	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.2475	100	OXIDES/NONE	0.00	Th-230 [7.6886E-08 kg]	1.88369E-01	5.9740E-02	1.6146E-03	AU
		150.0000	9.4800	0.0100	<2.2000E+02	<2.2000E+03		150.0000				Th-232 [5.8713E-02 kg]	7.53475E-01	2.3896E-01	6.4584E-03	
												U-nat [3.9219E-01 kg]	3.24857E+01	1.0303E+01	2.7845E-01	
												Subtotal		1.0602E+01	2.8652E-01	
												Total Source [4.5090E-01 kg]		1.0602E+01	2.8652E-01	

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in item 11, or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13. Code 100=NONE REQUIRED.

Solidification

90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in item 13, or additional page
100. None Required.

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-521

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
							PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3)/(ft3)	8. WASTE AND CONTAINER WEIGHT (kg)/(ton)	9. SURFACE RADIATION LEVEL (mSv/hr)/(mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2)/(dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)/(FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT: RADIONUCLIDES	pCi/gm	MBq	mCi	
4768/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.0404	10196.7572	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.0404	100	OXIDES/NONE	0.00	Th-230 [9.9069E-08 kg]	2.04574E-01	7.6975E-02	2.0804E-03	AU
		178.0000	11.2400	0.0100	<2.2000E+02	<2.2000E+03		178.0000				Th-232 [7.5652E-02 kg]	8.18298E-01	3.0791E-01	8.3218E-03	
												U-nat [4.9125E-01 kg]	3.42971E+01	1.2905E+01	3.4879E-01	
												Subtotal		1.3290E+01	3.5919E-01	
												Total Source [5.6690E-01 kg]		1.3290E+01	3.5919E-01	
4770/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7289	9566.2637	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7289	100	OXIDES/NONE	0.00	Th-230 [7.7587E-08 kg]	1.70816E-01	6.0284E-02	1.6293E-03	AU
		167.0000	10.5450	0.0200	<2.2000E+02	<2.2000E+03		167.0000				Th-232 [5.9248E-02 kg]	6.83262E-01	2.4114E-01	6.5173E-03	
												U-nat [4.7027E-01 kg]	3.50047E+01	1.2354E+01	3.3389E-01	
												Subtotal		1.2655E+01	3.4204E-01	
												Total Source [5.2952E-01 kg]		1.2655E+01	3.4204E-01	
4771/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9443.7938	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [7.2583E-08 kg]	1.61879E-01	5.6399E-02	1.5243E-03	AU
		165.0000	10.4100	0.0100	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [5.5427E-02 kg]	6.47518E-01	2.2559E-01	6.0970E-03	
												U-nat [3.8146E-01 kg]	2.87637E+01	1.0021E+01	2.7084E-01	
												Subtotal		1.0303E+01	2.7846E-01	
												Total Source [4.3689E-01 kg]		1.0303E+01	2.7846E-01	
4773/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.7572	9629.7667	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.7572	100	OXIDES/NONE	0.00	Th-230 [7.9174E-08 kg]	1.73156E-01	6.1520E-02	1.6627E-03	AU
		168.0000	10.6150	0.0200	<2.2000E+02	<2.2000E+03		168.0000				Th-232 [6.0460E-02 kg]	6.92624E-01	2.4608E-01	6.6507E-03	
												U-nat [3.5348E-01 kg]	2.61369E+01	9.2859E+00	2.5097E-01	
												Subtotal		9.5935E+00	2.5928E-01	
												Total Source [4.1394E-01 kg]		9.5935E+00	2.5928E-01	
4774/GTEOSI	19 Strong Tight Container Loaded in Gondola	4.6723	9493.6889	0.0001	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	4.6723	100	OXIDES/NONE	0.00	Th-230 [8.9656E-08 kg]	1.98901E-01	6.9664E-02	1.8828E-03	AU
		165.0000	10.4650	0.0100	<2.2000E+02	<2.2000E+03		165.0000				Th-232 [6.8465E-02 kg]	7.95603E-01	2.7865E-01	7.5311E-03	
												U-nat [2.0213E-01 kg]	1.51612E+01	5.3099E+00	1.4351E-01	
												Subtotal		5.6582E+00	1.5292E-01	

FORM 541A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION (CONTINUATION)

Envirocare of Utah, Inc.

2. MANIFEST NUMBER 0840-01-521

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (ton)	9. SURFACE RADIATION LEVEL (mSv/hr) / (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) / (dpm/100cm2)		PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
					ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT				
												RADIONUCLIDES	pCi/gm	MBq	mCi	
												Total Source [2.7060E-01 kg]		5.6582E+00	1.5292E-01	
4775/GTEOSI	19 Strong Tight Container Loaded in Gondola	5.2103	10536.9515	0.0002	<3.6740E-06	<3.6740E-05	22,59-CONCRETE,59 -MISC DEBRIS-HJ	5.2103	100	OXIDES/NONE	0.00	Th-230 [7.7308E-08 kg]	1.54468E-01	6.0070E-02	1.6235E-03	AU
		184.0000	11.6150	0.0200	<2.2000E+02	<2.2000E+03		184.0000				Th-232 [5.9036E-02 kg]	6.17872E-01	2.4027E-01	6.4939E-03	
												U-nat [2.8542E-01 kg]	1.92814E+01	7.4981E+00	2.0265E-01	
												Subtotal		7.7984E+00	2.1077E-01	
												Total Source [3.4446E-01 kg]		7.7984E+00	2.1077E-01	
Shipment Totals		42.5885	86250.5949									Source [3.9611E+00 kg]		9.2034E+01	2.4874E+00	
		1504.0000	95.0750													

FORM 541A (04-03)

Envirocare of Utah, Inc.

ADDITIONAL NOTES

Manifest Number
0840-01-521
PAGE 1

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 0840-01-521
Envirocare of Utah, Inc.

Isotope	Total Activity (MBq)	Total Activity (mCi)
Th-230	5.7762E-01	1.5611E-02
Th-232	2.3105E+00	6.2446E-02
U-nat	8.9146E+01	2.4094E+00

ENVIROCARE OF UTAH, INC.

THE SAFE ALTERNATIVE

CERTIFICATE OF DISPOSAL

GTE Operations Support Incorporated

This Certificate acknowledges disposal of the following manifested shipments:

Shipment #			Arrived	Date Disposed	Cubic Feet	Disposal Cell
0840	01	517	12/23/2003	1/15/2004	1528.00	A
0840	01	513	12/23/2003	1/15/2004	1520.00	A
0840	01	531	12/29/2003	1/17/2004	1512.00	A
0840	01	518	12/29/2003	1/17/2004	1533.00	A
0840	01	521	12/29/2003	1/17/2004	1504.00	A
0840	01	522	12/29/2003	1/17/2004	1552.00	A
0840	01	529	12/29/2003	1/17/2004	1562.00	A
0840	01	528	12/29/2003	1/17/2004	1536.00	A
0840	01	544	12/31/2003	1/17/2004	1522.00	A
0840	01	523	12/31/2003	1/17/2004	1551.00	A
0840	01	554	12/31/2003	1/17/2004	1513.00	A
0840	01	553	12/31/2003	1/17/2004	1526.00	A
0840	01	552	12/31/2003	1/17/2004	1528.00	A
0840	01	550	12/31/2003	1/17/2004	1653.00	A
0840	01	548	12/31/2003	1/17/2004	1485.00	A
0840	01	546	12/31/2003	1/17/2004	1507.00	A
0840	01	545	12/31/2003	1/17/2004	1501.00	A
0840	01	534	12/31/2003	1/17/2004	1501.00	A
0840	01	520	12/31/2003	1/17/2004	1541.00	A
0840	01	519	12/31/2003	1/17/2004	1497.00	A
0840	01	524	12/31/2003	1/17/2004	1507.00	A
0840	01	526	12/31/2003	1/17/2004	1548.00	A
0840	01	527	12/31/2003	1/17/2004	1577.00	A
0840	01	525	12/31/2003	1/17/2004	1528.00	A
0840	01	533	12/31/2003	1/17/2004	1551.00	A
0840	01	543	12/31/2003	1/17/2004	1515.00	A
0840	01	535	12/31/2003	1/17/2004	1529.00	A
0840	01	537	12/31/2003	1/17/2004	1506.00	A
0840	01	538	12/31/2003	1/17/2004	1528.00	A
0840	01	539	12/31/2003	1/17/2004	1556.00	A
0840	01	541	12/31/2003	1/17/2004	1589.00	A
0840	01	542	12/31/2003	1/17/2004	1523.00	A
0840	01	532	12/31/2003	1/17/2004	1532.00	A

Dave Tolbert
Director of LLRW Operations

12/9/04
Date

605 NORTH 5600 WEST • SALT LAKE CITY, UTAH 84116 • TELEPHONE (801) 532-1330

FORM 540 — Envirocare of Utah, Inc.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 1-800-424-9300

ORGANIZATION: Chemtrec

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 9

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
GTEOSI
140 Cantiague Rock RD
Hicksville, NY 11801

SHIPPER I.D. NUMBER: 0840-01-521
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) I

Utah Generator Site Access Permit No.: 020 500 1352
SHIPMENT NUMBER: MWCX-100294

CONTACT: Jean Agostinelli
TELEPHONE NUMBER (Include Area Code): 516-932-9157

6. CARRIER -- Name and Address
Priority Transport Services, Inc.
391 Anthony Street
Schenectady, NY 12308

EPA I.D. NUMBER: NYR000104976
SHIPPING DATE: 12/12/2003

CONTACT: Dispatch
TELEPHONE (Include Area Code): 800-235-0069

SIGNATURE -- Authorized carrier acknowledging waste receipt
DATE: 12/12/03

7. FORM 540 AND 540A — PAGE 1 OF 2 PAGE(S)
FORM 541 AND 541A — 3 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): 0840-01-521

9. CONSIGNEE - Name and Facility
Envirocare of Utah, Inc.
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029
46536

CONTACT: Shipping and Receiving
TELEPHONE (Include Area Code): (435)884-0155

SIGNATURE -- Authorized consignee acknowledging waste receipt
DATE: 12/29/03

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE | TITLE: Inspector | DATE: 12/12/03

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES			16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0718E+01	2.8968E-01	NA	21020 LBS; 166 FT3	4755
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.1416E+01	3.0854E-01	NA	20390 LBS; 161 FT3	4756
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0602E+01	2.8652E-01	NA	18960 LBS; 150 FT3	4766
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.3290E+01	3.5919E-01	NA	22480 LBS; 178 FT3	4768
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.2655E+01	3.4204E-01	NA	21090 LBS; 167 FT3	4770
Soil, DOT Non-Regulated, containing <2000 pCi/gr of Radionuclides	NA	NA	Solid / OXIDES	Th-230	Th-232	U-nat	1.0303E+01	2.7846E-01	NA	20820 LBS; 165 FT3	4771

FOR CONSIGNEE USE ONLY

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
X No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by Envirocare of Utah, Inc., and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in Envirocare of Utah, Inc.

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and Envirocare of Utah Inc.'s facility license.

D. INDEMNIFICATION: Generator agrees to indemnify Envirocare of Utah, Inc., its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (04-03)

Attachment 5.10
TRANSPORT VEHICLE RELEASE CHECKLIST

ipment Number- 0840 01-518, 574, 526, 324, 522

ıck Number- 36, 38

ıiler Number- 223, 220

ıualified MHF-LS shipping technician shall verify that each item listed is satisfactory and then place a Check Mark in the ·responding box

1. Driver possesses a valid driver's license with a HAZMAT endorsement ☑
2. Driver possesses a valid copy of a "Research and Special Programs Administration" U.S. DOT Hazmat Registration Certificate ☑
3. If manifested on a Hazardous Waste Manifest, ensure the carrier possesses a current EPA ID # ☑ N/A
4. Lamps are operable ☑
   - Headlights and Brights
   - Warning Lights and Flashers
   - Brake Lights
5. Coupling devices are intact ☑
6. Tires are sufficient ☑
   - No fabric is exposed through tread or sidewall
   - Front wheel tires must have tread pattern to a depth of ≥1/8 inch
   - Other tires must have tread pattern to a depth of ≥1/16 inch
   - Re-treaded tires are not authorized
7. Horn is operable ☑
8. Windshield wipers are operable ☑
9. Rear-vision mirrors are adequate (1 on each side) ☑
10. Emergency equipment is on-hand and accessible ☑
    - Fire extinguisher
    - Warning devices- bi-directional emergency reflectors, triangles (3), or liquid burning flares
11. General vehicle integrity is satisfactory ☑
    - Frame appears undamaged
    - Flooring is sufficient to support load
    - If a closed transport vehicle, vehicle is closed
    - Vehicle is otherwise in unimpaired physical condition
12. Vehicle truck and trailer have current DOT inspection stickers on both components (Good for 1 year from date performed) ☑
13. Vehicle is properly placarded (Exclusive Use LSA, Yellow III and HRCQ only) ☑ N/A
14. Shoring, strapping, blocking and bracing is adequate to prevent shifting of lading ☑

MHF-LS Qualified Technician Signature [signature]
Shipment Date 12 7 2 03

Attachment 5.15
RAILCAR INSPECTION FORM

Shipment Number	Carrier	Railcar Number
0840-01-521	LI RR	MWCX 100294

Item	SAT	UNSAT	Criteria	Comments
Coupler	☑	☐	Hardware intact, no cracks or broken welds, latching mechanism works properly, no loose or damaged parts	
Suspension	☑	☐	Hardware intact, no visible cracks or broken welds, coil springs seated and intact, inner and outer bearings intact and seated properly	
Wheel & Axle Assembly	☑	☐	Overall condition, no cracks or damaged areas on wheel surfaces, hubs centered, bolting intact, rims not bent or cracked	
Frame & Undercarriage	☑	☐	Main beams straight and centered, no major bends or damage, welds intact, no cracks	
Floors & Walls (Gondola, Boxcar)	☑	☐	No damage with open holes, punch throughs, ect. No rust damage, seams and welds intact, no rotting or other material problems, structurally sound	
Attachment Points or Tie Downs	☑	☐	Tie down hardware straight and intact, no cracks on or around attachment hardware, mechanical clips or latches operable and complete	
Doors (Boxcar Only)	☐	☐	Can be closed and secured properly, lubricated properly, rollers and tracks in operable condition, no loose or missing hardware, sealing surfaces intact and seals in serviceable condition	
Seals and Gasket	☐	☐	Seal Flanges intact with no dents or bends that affect sealing capability, gaskets pliable and in serviceable condition, no torn or missing areas, gasket appropriate to meet sealing requirements	
Seams (Gondola, Boxcar)	☑	☐	Seams intact, welds visibly sufficient, all corners and mating interfaces caulked and sealed properly	
Drains	☐	☐	Drains plugged or sealed properly, verify threaded plugs are tack welded or otherwise disabled, all other holes closed and sealed	
Brakes	☑	☐	Visibly inspect brake shoes, minimum 1" contact surface on all shoes, hoses and piping (tubing) mechanically sound, no missing or loose hardware, valves operate freely, no kinks or obstructions in piping or hoses	
Paint and Lettering	☑	☐	Overall good condition of exterior surfaces, identification numbering legible and intact, areas for placards or labels intact and structurally sound (Wood or metal panels)	
Bracing	☐	☐	Bracing and shoring must be sufficient to prevent shifting of lading during conditions normally incident to transportation	

MHF-LS Qualified Technician Signature Dan Johnson

Shipment Date 10-12-03

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100294

TR: TL:

Quantity	Description		Net Waste Weight
1	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4770	21090
			0
		Total:	21090
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100294

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4774	20930
		4773	21230
		Total:	42160
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100294

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4756	20390
		4768	22480
		Total:	42870
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100294

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4775	23230
		4771	20820
		Total:	44050
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

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Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Straight Bill of Lading

Shipper	MHF-LS For GTE Operations Support Incorporated 140 Contiague Rock Road Hicksville, NY 11801	Date: 12/12/2003
Consigned to	MHF-LS @ New York-Atlantic Rail Spur Hicksville, NY 11801	Gondola MWCX
Emergency Contact:	CHEMTREC 800-424-9300	100294

TR: TL:

Quantity	Description		Net Waste Weight
2	Soil, DOT Non-Regulated Waste Containing <2000 pCi/gr of		
	Radioactive Materials.		
	Package ID Number		**Pounds:**
		4755	21020
		4766	18960
		Total:	39980
	Packages do not meet the DOT "radioactive material"		
	definition in 49 CFR 173.403.		
	Radionuclide: U238, Th232, Th230		
	Total Activity: <70 Bq/gr		
	Physical Form: Solid		
	Chemical Form: Metal Oxide		

GENERATOR CERTIFICATION: I hereby certify and declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name	Signature		Date
Timmy Mock or Neal Sawyer for MHFLS at GTEOSI			12/12/2003
Transporter	Signature		Date
Priority Transport			12/12/2003

Daily Shipping checklist for Trucks and Packages

Date: 12/12/2003

Inspector: N. Sawyer

Gondola #	MWCX 100294

Truck #'s		Inspection	Surveyed
1		M	
2		M	

Gondola has been inspected for proper marking and labeling. Int. M

	Package Id#	Bin Location	Re-Tied, Integrity	A-Unstable	Class 7 Label/Marking	Class 9 Lable and Haz Waste	Marine Polutant	Bulk	Placard (9)	Shipping Name
1	4755		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
2	4756		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
3	4766		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
4	4768		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
5	4770		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
6	4771		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
7	4773		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
8	4774		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides
9	4775		y	y	n	n	n	n	n	Soil, DOT non-regulated, containing <2000 pCi/gm of Radionuclides

Gondolas survey# id #		Capacity	weight Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag	Bag
MWCX	Shipment #	204500	21090	20930	21230	23230	20820	20390	22480	21020	18960
	0840-01-521	Bag #	4770	4774	4773	4775	4771	4756	4768	4755	4766
	Storage Loc.										
100294	12/12/2003	204500	183410	162480	141250	118020	97200	76810	54330	33310	14350