Done - 10-24-77 ok 303C77-24 (6)

SOLID WASTE BURIAL RECORD

200 AREA PLATEAU DISPOSAL SITE OPERATED FOR RL - ERDA
BY ATLANTIC RICHFIELD HANFORD COMPANY

B455

DISPOSAL SITE THIS PORTION OF FORM TO BE COMPLETED BY ARHCO REPRESENTATIVE AT DISPOSAL SITE.

AREA: 200-W	BURIAL GARDEN NO.: 4B	TRENCH NO.: 7
CAISSON NO.: Module 16	COORDINATES: N 40770 E 77983	
REMARKS: SECTION 2	40770 B 77954	
DATE: 10-24-77	TIME:	
SIGNATURE: G. W. Carder		

ORIGINATOR 303C-BNW-77-0089-30

PACKAGE NO.: 303-C-77-19 THRU 30	
COMPANY: BATTELLE NORTHWEST	
BUILDING: 303-C	AREA: 200
ADDRESS (OFF SITE): RETRIEVABLE STORAGE 200 WEST	
DATE: 9-22-77	
SIGNATURE: J H Warren	

PHYSICAL DESCRIPTION

MATERIAL CONTENTS (NOTE ANY SPECIAL CONDITIONS) E.G., DISSOLVER, PUMP, SAMPLING OR LABORATORY PAPER WASTE, TIMBERS, RESIN.

83 BLOCKS FUEL HTGR - UC MICROSPHERES TH-C

BN-303-C-77-19+20+21+22+23+24+25+26+27+28+29

30+[redacted]+[redacted]+[redacted]+[redacted]

CONTAINER

	NO.	LENGTH	WIDTH	HEIGHT	
BOX					— HANFORD STANDARD — CARDBOARD

DRUM — NO. AND SIZE: 12 17-H 55 gal

OTHER — NO. AND SIZE:

TOTAL VOLUME (FT³): 88.8

ACTIVITY DESCRIPTION

GENERAL ACTIVITY DESCRIPTION (E.G., LONG-LIVED ISOTOPES SUCH AS Pu, Co, Sr, Cs; MIXED FISSION PRODUCTS; ACTIVATION PRODUCTS)

2,271 g U 3109 g U-235

PU

60 Kg Th

PLUTONIUM: GRAMS

URANIUM: 2,271 GRAMS 93% ENRICHMENT

ACTIVITY (IF PU OR U ONLY UNITS IN GRAMS REQUIRED): CURIES

DOSE RATE: 4.5 mR/hr at CONTACT — SURFACE / INCHES / FEET

DISTRIBUTION:

BY SHIPPER: WHITE, YELLOW, PINK — WITH SHIPMENT; GOLDENROD — REMAIN

BY ARHCO: WHITE — OPERATIONS ANALYST, 2704-B; YELLOW — NUCLEAR MATERIALS, 2704-2; PINK — RETURN TO SHIPPER

5

186

54-3000-581 (6-75)

0 1 0 0 0 1 8 7 5

Form NRC/ERDA 741 (6-76) ERDAM 7401/10 CFR 3[redacted], 199

U.S. NUCLEAR REGULATORY COMMIS[redacted]

NUCLEAR MATERIAL TRANSACTION REPORT

Previous editions are obsolete.

PAGE 1 OF 1 PAGES COPY 1 OF 7 COPIES

1. (1) 14
2. TRANSFER CODE
3. TRANSFER SERIES: RIS FROM (5-7) HYA; RIS TO (9-11) VRA; NO. (13-18) 12
4. NUMBER OF LINES (1)(20-21) 2
5. NATURE OF TRANSACTION (1)(22)
10. REPORT ON EXPORT TRANSFER: LICENSE NO. (1)(22-31); U.S. PORT ENTRY/EXIT (1)(32-36)

6. NAME AND ADDRESS OF SHIPPER — LIC. NO.
Battelle, Pacific Northwest Lab.
P.O. Box 999
Richland, WA 99352
ATTENTION: H. L. Henry
TELEPHONE: 946-2816

7. NAME AND ADDRESS OF RECEIVER — LIC. NO.
Rockwell International
Atomics International
Rockwell Hanford Operations
P.O. Box 800 Richland, WA 99352
ATTENTION: J. W. Jordan
TELEPHONE:

8. SHIPPED FOR ACCOUNT OF — RIS (1)(23-25)

9. SHIPPED TO ACCOUNT OF — RIS (1)(26-28)

11. TRANSPORTATION PROFILE / 12. PACKAGE IDENTIFICATION

NO.	PHYSICAL STATE	TYPE	MODEL NO.	NO.
1	GOT 2		7A	12
2				
3				
4				
5				

NO.	SHIPMENT NO. OF SERIES
1	VRA HYA
2	VRA
3	VRA HAA
4	HAA
5	VRA VAS
6	VAA
7	HYA FILE
8	
9	

13. TRANSFER AUTHORITY — CONTRACT, PO, DRAFT, OR ORDER NUMBER (1)(34-50): BR-1326

15. MISCELLANEOUS

14. MATERIAL TYPE AND DESCRIPTION
Enriched Uranium, Thorium HTGR Fuel Blocks

16. SHIPPER'S DATA — A. DATE SHIPPED OR CORRECTION ENTERED: MO (1)(70-71) 09; DAY (1)(72-73) 23; YR (1)(74) 77 — B. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED: H. L. Henry *H. L. Henry* September 23, 1977

LINE NO. (2)(20-21) C	ERDA PROJECT NUMBER AND IDENTIFICATION (2)(22-31) D	MATERIAL TYPE (2)(32-33) E	COMPOSITION CODE (2)(34-36) F	OWNER CODE (2)(37) G	USE CODE (2)(38-39) H	NUMBER OF ITEMS (2)(40-43) I	GROSS WEIGHT J	NET WEIGHT K	ELEMENT WEIGHT (2)(44-54) L	WEIGHT % ISOTOPE (2)(55-60) M	ISOTOPE WEIGHT (2)(61-69) N	LIMITS OF ERROR ELEMENT (2)(70-74) O	LIMITS OF ERROR ISOTOPE (2)(75-79) P
01	H-ED-0300-000	20	C07	G	US	83	2,549		2,271	92.9	2,110		
01	H-ED-0300-000	88	725	G	US	83			60				
							Memorandum	Transfer Only					

16. Q. TOTAL GROSS WEIGHT (4)(67-66): 2,549

16. R. TOTAL VOLUME (4)(67-75): 96 (*Burial transfers only*)

17. RECEIVER'S DATA — A. DATE RECEIVED OR CORRECTION ENTERED: MO (1)(70-71); DAY (1)(72-73); YR (1)(74) — B. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED

LINE NO. (2)(20-21) C	ERDA PROJECT NUMBER AND IDENTIFICATION (2)(22-31) D	MATERIAL TYPE (2)(32-33) E	COMPOSITION CODE (2)(34-36) F	OWNER CODE (2)(37) G	USE CODE (2)(38-39) H	NUMBER OF ITEMS (2)(40-43) I	GROSS WEIGHT J	NET WEIGHT K	ELEMENT WEIGHT (2)(44-54) L	WEIGHT % ISOTOPE (2)(55-60) M	ISOTOPE WEIGHT (2)(61-69) N	LIMITS OF ERROR ELEMENT (2)(70-74) O	LIMITS OF ERROR ISOTOPE (2)(75-79) P

18 U.S.C., SECTION 1001; ACT OF JUNE 25, 1948; 62 STAT. 749; MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION

2271 gm EU
60 kg Th

9

8

3 CONTAINERS

Done - 10-24-77 OK

(6)

SOLID WASTE BURIAL RECORD

200 AREA PLATEAU DISPOSAL SITE OPERATED FOR RL - ERDA
BY ATLANTIC RICHFIELD HANFORD COMPANY

B 456

DISPOSAL SITE THIS PORTION OF FORM TO BE COMPLETED BY ARHCO REPRESENTATIVE AT DISPOSAL SITE

AREA	BURIAL GARDEN NO.	TRENCH NO.
200-W	4B	7

CAISSON NO.: Module 16
COORDINATES: E 40770 F 77983 B 40770 B 77956
REMARKS: SECTION 2

DATE: 10-24-77
TIME:
SIGNATURE: R. W. Corder

ORIGINATOR 303C-BNW-031-34

PACKAGE NO.: 303-C-77-31, 32, 33, 34
COMPANY: Battelle Pacific Northwest Lab
BUILDING: 303-C
AREA: 300
ADDRESS (OFF SITE):

DATE: 9-23-77
SIGNATURE: [signature]

PHYSICAL DESCRIPTION

MATERIAL CONTENTS (NOTE ANY SPECIAL CONDITIONS) E.G., DISSOLVER, PUMP, SAMPLING OR LABORATORY PAPER WASTE, TIMBERS, RESIN.

18 Graphite Blocks & Tubes of $^{233}UO_2$-ThO_2-C HTGR Fuel

BN 303-C-77-31+32+33+34

CONTAINER		NO.	LENGTH	WIDTH	HEIGHT	
	BOX					☐ HANFORD STANDARD CARDBOARD
	DRUM	NO. AND SIZE: 4 17-H 55 gal				
	OTHER	NO. AND SIZE:				
	TOTAL VOLUME (FT^3)	29.6				

ACTIVITY DESCRIPTION

GENERAL ACTIVITY DESCRIPTION (E.G., LONG-LIVED ISOTOPES SUCH AS Pu, Co, Sr, Cs; MIXED FISSION PRODUCTS; ACTIVATION PRODUCTS

Pu

PLUTONIUM ✓ GRAMS
URANIUM 684 GRAMS U-233 97.5% ENRICHMENT 37 gm Th
ACTIVITY (IF Pu OR U ONLY UNITS IN GRAMS REQUIRED) — CURIES

DOSE RATE 60 mR/hr at CONTACT
☑ SURFACE ☐ INCHES ☐ FEET

DISTRIBUTION:

BY SHIPPER: WHITE, YELLOW, PINK — WITH SHIPMENT; GOLDENROD — RETAIN

BY ARHCO: WHITE — OPERATIONS ANALYST 271-B; YELLOW — NUCLEAR MATERIALS 2704-Z; PINK — RETURN TO SHIPPER

187

54-3000-581 (6-75)

FORM NRC/ERDA-741 (4-76) ERDAM 7401/10 CFR 30, [illegible] 150

U.S. NUCLEAR REGULATORY COMMISSION

NUCLEAR MATERIAL TRANSACTION REPORT

Previous editions are obsolete.

DOCUMENTATION (Only if document is classified SECRET)

PAGE 1 OF 1 PAGES COPY 1 OF 7 COPIES, SERIES

1. (1)	2. TRANSFER CODE	3. TRANSFER SERIES: RIS FROM (5-7)	RIS TO (8-11)	NO. (13-16)	(19)	4. NUMBER OF LINES (1(20-21))
1-4		HYA	VRA	13		06

5. NATURE OF TRANSACTION (1(38)):

10. IMPORT OR EXPORT TRANSFERS: LICENSE NO. (2(22-31)) U.S. PORT ENTRY/EXIT (3(32-36))

NO.	DISTRIBUTION OF COPIES
1	VRA HYA
2	VRA
3	VRA HAA
4	HAA
5	VRA VAA
6	VAA
7	HYA FILE
8	
9	

6. NAME AND ADDRESS OF SHIPPER — LIC. NO.

Battelle, Pacific Northwest Lab.
P.O. Box 999
Richland, WA 99352
ATTENTION: H. L. Henry
TELEPHONE: 946-2816

7. NAME AND ADDRESS OF RECEIVER — LIC. NO.

Rockwell International
Atomics International
Rockwell Hanford Operations
P.O. Box 800 Richland, WA 99352
ATTENTION: J. W. Jordan
TELEPHONE:

8. SHIPPED FOR ACCOUNT OF — RIS (1(23-25))

9. SHIPPED TO ACCOUNT OF — RIS (1(26-29))

11. TRANSPORTATION PROFILE

SEQ. NO.	CARRIER IDENTIFICATION	TRANSFER POINT
1	GOT 2	
2		
3		
4		
5		US

12. PACKAGE IDENTIFICATION

MODEL ID	NO.
7A	4

13. TRANSFER AUTHORITY—CONTRACT, MS DRAFT, OR ORDER NUMBER (1(34-50)): BR-1326

14. MATERIAL TYPE AND DESCRIPTION

Uranium-233/Thorium HTGR Blocks

15. MISCELLANEOUS

^{233}U Wt.% 97.5

16. SHIPPER'S DATA

A. DATE SHIPPED OR CORRECTION ENTERED: MO (1(70-71)) 09 DAY (1(72-73)) 23 YR (1(74)) 77

B. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED: H. L. Henry H L Henry September 23, 1977

LINE NO. (2(20-21)) C	ERDA PROJECT NUMBER AND IDENTIFICATION (2(22-31)) D	MATERIAL TYPE (2(32-33)) E	COMPOSITION CODE (2(34-36)) F	OWNER CODE (2(37)) G	USE CODE (2(38-39)) H	NUMBER OF ITEMS (2(40-43)) I	GROSS WEIGHT J	NET WEIGHT K	ELEMENT WEIGHT (2(44-54)) L	WEIGHT % ISOTOPE (2(55-60)) M	ISOTOPE WEIGHT (2(61-69)) N	LIMITS OF ERROR: ELEMENT (2(70-74)) O	ISOTOPE (2(75-79)) P
01	H-ED-0300-000	70	725	G	US	3			97	6	95		
01	H-ED-0300-000	88	725	G	US	3			4				
02	H-ED-0300-000	70	725	G	US	3	Memorandum Transfer Only		334	6	326		
02	H-ED-0300-000	88	725	G	US	3			25				
03	H-ED-0300-000	70	725	G	US	12			253	6	247		
03	H-ED-0300-000	88	725	G	US	12			8				

16. G. TOTAL GROSS WEIGHT (4(57-66)): 2,606

16. R. TOTAL VOLUME (4(67-75)) (Burial transfers only): 32

17. RECEIVER'S DATA

A. DATE RECEIVED OR CORRECTION ENTERED: MO (1(70-71)) DAY (1(72-73)) YR (1(74))

B. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED

LINE NO. (2(20-21)) C	ERDA PROJECT NUMBER AND IDENTIFICATION (2(22-31)) D	MATERIAL TYPE (2(32-33)) E	COMPOSITION CODE (2(34-36)) F	OWNER CODE (2(37)) G	USE CODE (2(38-39)) H	NUMBER OF ITEMS (2(40-43)) I	GROSS WEIGHT J	NET WEIGHT K	ELEMENT WEIGHT (2(44-54)) L	WEIGHT % ISOTOPE (2(55-60)) M	ISOTOPE WEIGHT (2(61-69)) N	LIMITS OF ERROR: ELEMENT (2(70-74)) O	ISOTOPE (2(75-79)) P

18 U.S.C., SECTION 1001; ACT OF JUNE 25, 1948; 62 STAT. 749; MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION

684 gm U-233
37 kg Th

303GBNW-77-0034004 (6) B 455 B 456

Atlantic Richfield Hanford Company	TRANSURANIC DRY WASTE STORAGE

	NON-COMBUSTIBLE MATERIALS					COMBUSTIBLE MATERIALS				
	DRUM NO.	GRAMS PU	MEASUREMENT METHOD	OPERATOR	TRENCH	DRUM NO.	GRAMS PU	MEASUREMENT METHOD	OPERATOR	TRENCH
	303-C-77	U-235								
19	19	176 ✓	24= 192	18= 5000	-C	CB= 74				
20	20	176 ✓	24= 192	18= 5000	-C		212			
21	21	176 ✓	24= 192	18= 5000	-C		212			
22	22	176 ✓	24= 192	18= 5000	-C		212			
23	23	176 ✓	24= 192	18= 5000	-C		212			
24	24	176 ✓	24= 192	18= 5000	-C		212			
25	25	176 ✓	24= 192	18= 5000	-C		212			
26	26	176 ✓	24= 192	18= 5000	-C		212			
27	27	176 ✓	24= 192	18= 5000	-C		212			
28	28	176 ✓	24= 192	18= 5000	-C		212			
29	29	176 ✓	24= 192	18= 5000	-C		212			
30	30	151 ✓	24= 159	18= 5000	-C		212			
31	31	U-233 164 ✓	22- 175	18= 9250	-C		652			
32	32	107 ✓	22- 115	18= 9250	-C		652			
33	33	177 ✓	22- 190	18= 9250	-C		652			
34	34	190 ✓	22- 204	18= 9250	-C		652			

Dose = 1
19 = .001

CERTIFIED BY (SUPERVISOR) [signature] DATE 9-23-77

DISPOSAL SITE:			DISPOSAL SITE:		
AREA: 200-W	BURIAL GARDEN NO.: 4B	TRENCH NO.: 7	AREA:	BURIAL GARDEN NO.:	TRENCH NO.:
CAISSON NO.: Module 16	COORDINATES NORTH: E 40770 WEST: E 77983 B 40770 B 77956		CAISSON NO.:	COORDINATES NORTH: WEST:	
REMARKS: SECTION 2			REMARKS:		
SIGNATURE: [signature]	DATE: 10-24-77		SIGNATURE:	DATE:	

DRUMS ARE ACCEPTED PER SOP 300.8

SIGNATURE: R W Lederer DATE: 9-23-77

DISTRIBUTION:
ALL ACCOMPANY SHIPMENT IF COMPLETED
PINK - TO BE RETURNED
WHITE & YELLOW - WITH SHIPMENT IF NO RETURNED COPY DESIRED.

BC-6800-076 (10-75)