185451

AMENIA TOWNSHIP LANDFILL
START ONE - VOLUME II
ADMINISTRATIVE RECORD FILE UPDATE
INDEX OF DOCUMENTS

1.0 FACTUAL INFORMATION/DATA

1.3 POLREPs

P.	100001-100005	Initial Pollution Report, Removal Action, Amenia Town Landfill Amenia, Dutchess County, New York, prepared by Ms. Irmee Huhn, OSC, Removal Action Branch, U.S. EPA, Region II. Recipients: See Distribution List, October 30, 1998.
P.	100006-100010	Pollution Report Two (2), Removal Action, Amenia Town Landfill, Amenia, Dutchess County, New York, prepared by Ms. Irmee Huhn, OSC, Removal Action Branch, U.S. EPA, Region II. Recipients: See Distribution List, November 20, 1998.
P.	100011-100015	Pollution Report Three (3), Removal Action, Amenia Town Landfill, Amenia, Dutchess County, New York, prepared by Ms. Irmee Huhn, OSC, Removal Action Branch, U.S. EPA, Region II. Recipients: See Distribution List, June 4, 1999.
P.	100016-100020	Pollution Report Four (4), Removal Action, Amenia Town Landfill, Amenia, Dutchess County, New York, prepared by Ms. Irmee Huhn, OSC, Removal Action Branch, U.S. EPA, Region II. Recipients: See Distribution List, June 11, 1999.

1.7 Sampling Data/Data Summary Sheets/Chain of Custody Forms

P.	100021-100040	Letter to Mr. Cyril Timko, Westinghouse Remediation Services, Inc, from Ms. Paula Y. Crawford, Project Coordinator, Antech Ltd., re: Soil/Waste Characterization, 3313-98-3036; Amenia Town Landfill, Antech Ltd. Project No. 98-6820, December 10, 1998. (Attached: 1. Lab Report: Antech Ltd., Case Narrative; 2. Antech Ltd., Chain of Custody Record, Amenia Town Landfill, November 20, 1998.)
P.	100041-100158	Report: Test Pit Investigation Data Report, Amenia Town Landfill Inactive Hazardous Waste Site, Amenia, New York, Site No. 3-14-006, prepared by: Division of Environmental Remediation, New York State Department of Environmental Conservation, February 1999.

P.	100159-100160	Memorandum to the file, from Ms. Irmee Huhn, On-Scene Coordinator, U.S. EPA, Region II, re: Amenia Town Landfill - Drum Composite Log, May 21, 1999. (Attached: Drum Composite Log.)
P.	100161-100329	Memorandum to the file, from Ms. Irmee Huhn, On-Scene Coordinator, U.S. EPA, Region II, re: Amenia Town Landfill, Amenia, NY - Drum logs, May 21, 1999. (Attached: Drum Logs.)

2.0 DECISION DOCUMENTS

2.2 Action Memoranda and Amendments

P.	200001-200018	Confirmation of Verbal Authorization and Request for a Ceiling Increase for a Removal Action at the Amenia Town Landfill Site, Amenia, Dutchess County, New York. Action Memorandum, to Mr. Richard L. Caspe, Director, Emergency and Remedial Response Division, U.S. EPA, Region II, from Ms. Irmgard P. Huhn, On-Scene Coordinator, Removal Action Branch, U.S. EPA, Region II, through Mr. Richard C. Salkie, Branch Chief, Removal Action Branch, U.S. EPA, Region II, February 25, 1999. (Attached: 1. Letter to Mr. Richard Caspe, Director, Emergency & Remedial Response Division, U.S. EPA, Region II, from Michael J. O'Toole, Jr., Director, Division of Environmental Remediation, New York State Department of Environmental Conservation, re: Amenia Town Landfill Site (#3-14-006), Amenia (T), Dutchess County, Request for Emergency Removal, October 6, 1999; 2. Maps.)

3.0 PUBLIC PARTICIPATION

3.2 Community Relations Plan

P.	300001-300005	Plan: Community Relations Plan, Amenia Landfill Site, Amenia, Dutchess County, New York, prepared by U.S. EPA, Region II, May 1999.

AMENIA TOWNSHIP LANDFILL
START ONE
ADMINISTRATIVE RECORD FILE UPDATE # 2
INDEX OF DOCUMENTS

1.0 FACTUAL INFORMATION/DATA

1.4 Work Plan

P.	100330-100410	Work Plan: Drummed Waste and Soil Disposal, Amenia Town Landfill Site, Amenia, New York, prepared by URS Greiner Woodward Clyde, September 3, 1999. (Attached: 1. Health and Safety Plan: Drummed Waste and Soil Disposal, AmeniaTown Landfill Site, Amenia, New York, prepared by URS Greiner Woodward Clyde, September 3, 1999; 2. Work Plan: Site Specific Transportation and Disposal Plan, Amenia Town Landfill Site, Amenia, New York, prepared by URS Greiner Woodward Clyde, September 3, 1999.)

CERTIFICATION OF DOCUMENTS

COMPRISING THE ADMINISTRATIVE RECORD

The United States Environmental Protection Agency(USEPA) hereby certifies that the attached documents constitute the Administrative Record for selection of response actions under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, for the **Amenia Landfill Site**, located at Route # 22, Town of Amenia, Dutchess County, New York, CERCLIS ID # NYD980641559; Spill Id 02LZ.

By the EPA:

In witness whereof I have subscribed my

name this 30th day of _March, 2004,

in Edison, New Jersey.

Irmgard P. Huhn, USEPA Region II.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

Date: October 30, 1998

From: Irmee Huhn, OSC, Region II
Removal Action Branch

To:

R. Salkie, EPA	J. Rotola, EPA
B. Bellow, 2CD	G. Zachos, EPA
T. Johnson, 5202G	R. Cahill, 2CD-PAT
J. Witkowski, 2ERRD-RAB	K. Guarino, 2CID
P. Simon, 2ORC-NYCSFB	G. Shannahan, EPA
J. LaPadula, 2ERRD-NYRB	R. Byrnes, EPA, 2OIG
A. Raddant, DOI	M. O'Toole, NYSDEC
T. Vickerson, NYSDEC	J. Konsella, NYSDEC
A. Block, CDC-ATSDR	ERD, Washington, (E-Mail)
START	

Subject: Amenia Town Landfill, Amenia, Dutchess County, New York

POLREP NO.: Initial (1)

II. BACKGROUND

Site No.:	LZ
Delivery Order No.:	2100-02-032
Response Authority:	CERCLA
CERCLIS ID#:	NYD980641559
NPL Status:	Non-NPL
State Notification:	NYSDEC notified
Action Memo Status:	Verbal Authorization 10/8/98
Start Date:	10/12/98

III. SITE INFORMATION

A. Incident Category: Inactive municipal landfill

B. Site Description

1. **Site description**

The Site is a privately owned 10 acre parcel of land located in a rural area of the Town of Amenia, Dutchess County, New York. The area currently being investigated by EPA is

in the southernmost portion of the Site and is approximately 1 acre in size. The Site is bordered by Route 22 to the east and by freshwater wetlands on the north and west. An unnamed stream flows through this wetland area which is a tributary to the Amenia Brook. The Harlem Valley landfill is located less than one quarter mile south west of the Site. An active public golf course is located within one half mile west of the Site.

The Site operated as a municipal landfill from the early 1940's until it was officially closed on April 16, 1976. During that period the property had several owners and operators, one of which was believed to have accepted industrial wastes in the form of drums and other containers. This allegedly occurred between 1969 and 1971, after which the owner/operator filed for bankruptcy. During an inspection performed by the Dutchess County Department of Health (DCDOH) on October 26, 1970, the inspector recorded the presence of several hundred drums of industrial waste staged in the southern end of the Site. Several of the drums were reportedly punctured and leaking onto the ground.

2. **Description of threat**

The Site was listed by the NYSDEC as a reported hazardous waste site in 1980 after visual inspections revealed the presence of surface drums and areas of stressed vegetation. Follow up investigations conducted by the state, which included geophysical studies, soil gas studies and test pit excavations, were conducted by NYSDEC from August 1986 through September 1998. These investigations revealed soil and sediment contamination and the presence of buried drums containing waste material. Samples of soil, sediments and surface waters have identified the presence of PCBs. This information prompted the New York State Division of Fish and Wildlife (NYSDFW) to declare this Site a significant threat to wildlife. The soil gas survey data collected during the investigation showed levels of toluene up to 1,600 ug/m^3 in two sampling locations in the suspected drum burial area.

C. **Preliminary Assessment Results**

The NYSDEC began a Phase I investigation of this Site in August 1986. The data collected during this Phase, as well as follow up inspections performed in 1990, led NYSDEC to begin a Phase II investigation in October 1991. The Phase II investigation included a historical review of site use, literature searches on the property and interviews with personnel familiar with Site during its years of operation. Geophysical studies, soil gas surveys and soil, water and sediment sampling was also conducted at that time. The results of this investigation concluded that a Remedial Investigation, which included test pit excavations, was warranted to further delineate the Site. Test pits were conducted in September 1998 by NYSDEC which revealed numerous drums in the southwest corner of the site.

On October 6, 1998, NYSDEC formally requested EPA to undertake an Emergency Removal Action to stabilize, identify and dispose of an estimated 30 buried drums containing pesticides, spent solvents and other unknowns identified during NYSDECs

test pit investigation of anomalies from a geophysical and soil vapor gas survey. On October 7, 1998, the United States Environmental Protection Agency (EPA) met with the NYSDEC to view the site and obtain information regarding the drums identified during test pit excavations.

IV RESPONSE INFORMATION

A. Planned Removal Actions

EPA will excavate and document any identifying information from the drums prior to securing drums in overpacks. Visibly contaminated soil will be stock piled as the excavation progresses. All of the drums will be sampled and hazcatted and put into bulk groups as designated by the hazcat results. Composite samples will be sent out for disposal analysis. Once the lab analysis is received, the drums and soil will be disposed of accordingly.

B. Situation

1. Current Situation

EPA and ERRS began excavation activities on October 20, 1998. ERRS has excavated approximately 87 drums (one containing medical type waste), 60 cubic yards of contaminated soil and approximately 30 empty drums. In addition, 20 to 30 laboratory sized bottles have also been retrieved from the excavation area. After sampling, all overpacked drums will be transferred to a secure container at the north end of the Site.

2. Removal actions to date

On October 6, 1998, NYSDEC formally requested the EPA to conduct an Emergency Removal Action at the Site to mitigate the threats posed by the buried drums. Following a Site visit on October 7, 1998, funding was verbally authorized on October 8, 1998, by the EPA Director of the Emergency and Remedial Response Division to excavate the buried drums and visibly contaminated soil and sample and dispose of the drums which are leaking and deteriorated in the drainage pathway to a wetlands.

On October 12, 1998, EPA met ERRS on Site to scope out the job and discuss the project plan and schedule. ERRS fully mobilized on October 15, 1998 to begin the clean up action. Upon mobilization ERRS established a support zone and equipment needed to begin the excavation and stabilization action. START is conducting air monitoring, contractor monitoring and logging of samples of the excavation activities. ERRS initiated sampling of the excavated drums for disposal and possible enforcement actions. During this period, 32 drums were sampled.

On October 19, 1998, a Confirmation of Verbal Authorization was signed which confirmed a Project Ceiling of $160,000.

Representatives for the Town of Amenia and the NYSDEC have been on Site to monitor EPA activities and examine the material being excavated. The representative for the property owner stops by the Site periodically to view site activities.

3. Enforcement

Due to the emergency nature of this removal action, enforcement activities have been postponed until the threats from the ongoing release are mitigated. Drums and other containers discovered on Site are being carefully examined for Potential Responsible Party (PRP) information prior to being secured. The OSC has been in contact with ORC and an enforcement strategy will be developed based on the known historical information as well as any other information retrieved from the excavated materials.

C. Next Steps

ERRS will continue with the excavation and sampling activities in the suspected drum burial areas. Upon completion of sampling, the drums will be secured in a container box while disposal arrangements are finalized.

Due to the large number of drums encountered to date and the remaining areas left to be investigated, additional funding will be required. As a result, a Confirmation of Verbal Authorization and Ceiling Increase Action Memorandum is being prepared to provide funds for additional sampling and disposal of contaminated materials.

D. Key Issues

On 10/23/98, the START member became ill while on Site and was taken to a nearby hospital. Upon examination it was determined that he was suffering from an illness unrelated to Site activities.

To date, the buried drums removed almost triple the initial estimate (with another area yet to investigate), therefore, additional funding will be required to complete the removal action.

V. COST INFORMATION

The costs estimated below are through October 30, 1998.

	CURRENT APPROVED CEILINGS	CURRENT EXPENDITURES	BALANCE OF REMAINING FUNDS
ERRS [1]	$130,000	$53,370	$76,630
START	$15,000	$3,530	$11,470
EPA	$15,000	$3,700	$11,300
CONTINGENCY	$0	$0	$0
TOTAL	$160,000	$60,600	$99,400

[1] This amount is comprised of DCN #'s as follows: HX-0002, for $50,000, and HE-0005, for $80,000.

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the EPA may include in any claims for cost recovery.

VI. DISPOSITION OF WASTES

Not applicable at this time

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

Date: November 20, 1998

From: Irmee Huhn, OSC, Region II
Removal Action Branch

To:

R. Salkie, EPA	J. Rotola, EPA
B. Bellow, 2CD	G. Zachos, EPA
T. Johnson, 5202G	R. Cahill, 2CD-PAT
J. Witkowski, 2ERRD-RAB	K. Guarino, 2CID
P. Simon, 2ORC-NYCSFB	G. Shannahan, EPA
J. LaPadula, 2ERRD-NYRB	R. Byrnes, EPA, 2OIG
A. Raddant, DOI	M. O'Toole, NYSDEC
T. Vickerson, NYSDEC	J. Konsella, NYSDEC
A. Block, CDC-ATSDR	ERD, Washington, (E-Mail)
J. Tankoos, EPA	START

Subject: Amenia Town Landfill, Amenia, Dutchess County, New York

POLREP NO.: Two (2)

II. BACKGROUND

Site No.:	LZ
Delivery Order No.:	2100-02-032
Response Authority:	CERCLA
CERCLIS ID#:	NYD980641559
NPL Status:	Non-NPL
State Notification:	NYSDEC notified
Action Memo Status:	Verbal Authorization 10/8/98
Start Date:	10/12/98

III. SITE INFORMATION

A. **Incident Category:** Inactive municipal landfill

B. **Site Description**

1. **Site description**

The Site is a privately owned 10 acre parcel of land located in a rural area of the Town of

Amenia, Dutchess County, New York. The area currently being investigated by EPA is in the southernmost portion of the Site and is approximately 1 acre in size. The Site is bordered by Route 22 to the east and by freshwater wetlands on the north and west. An unnamed stream flows through this wetland area which is a tributary to the Amenia Brook. The Harlem Valley landfill is located less than one quarter mile south west of the Site. An active public golf course is located within one half mile west of the Site.

The Site operated as a municipal landfill from the early 1940's until it was officially closed on April 16, 1976. During that period the property had several owners and operators, one of which was believed to have accepted industrial wastes in the form of drums and other containers. This allegedly occurred between 1969 and 1971, after which the owner/operator filed for bankruptcy. During an inspection performed by the Dutchess County Department of Health (DCDOH) on October 26, 1970, the inspector recorded the presence of several hundred drums of industrial waste staged in the southern end of the Site. Several of the drums were reportedly punctured and leaking onto the ground.

2. Description of threat

The Site was listed by the NYSDEC as a reported hazardous waste site in 1980 after visual inspections revealed the presence of surface drums and areas of stressed vegetation. Follow up investigations conducted by the state, which included geophysical studies, soil gas studies and test pit excavations, were conducted by NYSDEC from August 1986 through September 1998. These investigations revealed soil and sediment contamination and the presence of buried drums containing waste material. Samples of soil, sediments and surface waters have identified the presence of PCBs. This information prompted the New York State Division of Fish and Wildlife (NYSDFW) to declare this Site a significant threat to wildlife. The soil gas survey data collected during the investigation showed levels of toluene up to 1,600 ug/m^3 in two sampling locations in the suspected drum burial area.

C. Preliminary Assessment Results

The NYSDEC began a Phase I investigation of this Site in August 1986. The data collected during this Phase, as well as follow up inspections performed in 1990, led NYSDEC to begin a Phase II investigation in October 1991. The Phase II investigation included a historical review of site use, literature searches on the property and interviews with personnel familiar with the Site during its years of operation. Geophysical studies, soil gas surveys and soil, water and sediment sampling was also conducted at that time. The results of this investigation concluded that a Remedial Investigation, which included test pit excavations, was warranted to further delineate the Site. Test pits were conducted in September 1998 by NYSDEC which revealed numerous drums in the southwest corner of the Site.

On October 6, 1998, NYSDEC formally requested EPA to undertake an Emergency Removal Action to stabilize, identify and dispose of an estimated 30 buried drums containing pesticides, spent solvents and other unknowns identified during NYSDECs test pit investigation of anomalies from a geophysical and soil vapor gas survey. On October 7, 1998, the United States Environmental Protection Agency (EPA) met with the NYSDEC to view the Site and obtain information regarding the drums identified during test pit excavations.

IV RESPONSE INFORMATION

A. Planned Removal Actions

EPA will excavate and document any identifying information from the drums prior to securing drums in overpacks. Visibly contaminated soil will be stock piled as the excavation progresses. All of the drums will be sampled and hazcatted and put into bulk groups as designated by the hazcat results. Composite samples will be sent out for disposal analysis. Once the lab analysis is received, the drums and soil will be disposed of accordingly.

B. Situation

1. Current Situation

ERRS has excavated 167 drums, approximately 220 cubic yards of contaminated soil and approximately 30 empty drums. In addition, 85 laboratory sized bottles have also been retrieved from the excavation area. All drums have been overpacked and sampled with the exception of one drum which contains medical waste. All of the overpacked drums have been transferred to secure containers at the north end of the Site.

2. Removal actions to date

During the week of November 2, ERRS continued to sample drums excavated the previous week and relocate sampled drums into the mobile storage units located in the north corner of the Site near Sharon Oil. An additional 21 drums were excavated from the second area during this week.

On November 9, ERRS mobilized a lab trailer and chemist to conduct hazcatting and bulk testing. During the week, excavation of buried drums and contaminated soil was completed. Two drums were found in the area north of concentrated drums, one was on the surface and one crushed drum was buried in the drainage area to the wetlands.

During the week of November 16, the labpack containers were visually inspected by the chemist. All but one type of container were unlabeled, and most of the labeled containers

were rusted and empty. The lab containers were crushed on a flat surface in a depression in the soil pile and mixed. A composite soil sample was collected from the pile on November 18. ERRS completed sampling and hazcatting the samples on November 18. The chemist conducted bulk testing and generated composite samples of like materials to be sent out for disposal analysis. Samples were sent to the lab on November 19, 1998.

The soil pile was reshaped, covered with a plastic tarp and a berm was created around the pile to reduce rainwater runoff from the pile. The excavated areas were graded, a geotextile type fabric was installed to provide a visible barrier and 6 inches of topsoil was applied and seeded. The area was covered with straw matting to protect the seed and provide erosion control.

Representatives for the property owner, the Town of Amenia and the NYSDEC have been on Site to monitor EPA activities and examine the material being excavated

3. Enforcement

Due to the emergency nature of this removal action, enforcement activities have been postponed until the threats from the ongoing release are mitigated. Drums and other containers discovered on Site were carefully examined for Potential Responsible Party (PRP) information prior to being secured. The OSC maintains contact with ORC and an enforcement strategy will be developed based on the known historical information as well as any other information retrieved from the excavated materials.

C. Next Steps

Upon receipt of disposal analysis, disposal for the drummed material and soil will be arranged. At the time of disposal, enforcement sampling will be conducted utilizing the drum information, hazcat data and analytical results.

Due to the large quantity of drums encountered, additional funding will be required. As a result, a Ceiling Increase Action Memorandum is undergoing review to provide funds for additional sampling and disposal of contaminated materials.

D. Key Issues

Access to remove the contaminated soil from the Site would be difficult utilizing the dirt road which runs through the property. The access road which runs from the adjacent Harlem Valley Landfill north to the Amenia Town Landfill is more accessible for trucks, as most of the roadway is paved. An access agreement was obtained to allow access for truck traffic through the Harlem Valley Landfill property to transport the soil for off-site disposal.

V. COST INFORMATION

The costs estimated below are through November 19, 1998.

	CURRENT APPROVED CEILINGS	CURRENT EXPENDITURES	BALANCE OF REMAINING FUNDS
ERRS [1]	$130,000	$120,000	$10,000
START	$15,000	$6,200	$8,800
EPA	$15,000	$10,000	$5,000
CONTINGENCY	$0	$0	$0
TOTAL	$160,000	$136,200	$23,800

[1] This amount is comprised of DCN #'s as follows: HX-0002, for $50,000, and HE-0005, for $80,000.

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the EPA may include in any claims for cost recovery.

VI. DISPOSITION OF WASTES

Not applicable at this time

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

Date: June 4, 1999 Irmee Huhn

From: Irmee Huhn, OSC, Region II
Removal Action Branch

To:

R. Salkie, EPA
B. Bellow, 2CD
T. Johnson, 5202G
J. Witkowski, 2ERRD-RAB
P. Simon, 2ORC-NYCSFB
J. LaPadula, 2ERRD-NYRB
A. Raddant, DOI
T. Vickerson, NYSDEC
A. Block, CDC-ATSDR
J. Tankoos, EPA
J. Rotola, EPA
G. Zachos, EPA
R. Cahill, 2CD-PAT
K. Guarino, 2CID
G. Shannahan, EPA
R. Byrnes, EPA, 2OIG
M. O'Toole, NYSDEC
J. Konsella, NYSDEC
ERD, Washington, (E-Mail)
START

Subject: Amenia Town Landfill, Amenia, Dutchess County, New York

POLREP NO.: Three (3)

II. BACKGROUND

Site No.:	LZ
Delivery Order No.:	2100-02-032
Response Authority:	CERCLA
CERCLIS ID#:	NYD980641559
NPL Status:	Non-NPL
State Notification:	NYSDEC notified
Action Memo Status:	Verbal Authorization 10/8/98, Signed 2/25/99
Start Date:	10/12/98
Demobe Date:	11/20/98
Remobe Date:	05/25/99

III. SITE INFORMATION

A. **Incident Category:** Inactive municipal landfill

B. **Site Description**

1. **Site description**

The Site is a privately owned 10 acre parcel of land located in a rural area of the Town of Amenia, Dutchess County, New York. The area currently being investigated by EPA is in the southernmost portion of the Site and is approximately 1 acre in size. The Site is bordered by Route 22 to the east and by freshwater wetlands on the north and west. An unnamed stream flows through this wetland area which is a tributary to the Amenia Brook. The Harlem Valley landfill is located less than one quarter mile south west of the Site. An active public golf course is located within one half mile west of the Site.

The Site operated as a municipal landfill from the early 1940's until it was officially closed on April 16, 1976. During that period the property had several owners and operators, one of which was believed to have accepted industrial wastes in the form of drums and other containers. This allegedly occurred between 1969 and 1971, after which the owner/operator filed for bankruptcy. During an inspection performed by the Dutchess County Department of Health (DCDOH) on October 26, 1970, the inspector recorded the presence of several hundred drums of industrial waste staged in the southern end of the Site. Several of the drums were reportedly punctured and leaking onto the ground.

2. Description of threat

The Site was listed by the NYSDEC as a reported hazardous waste site in 1980 after visual inspections revealed the presence of surface drums and areas of stressed vegetation. Follow up investigations conducted by the state, which included geophysical studies, soil gas studies and test pit excavations, were conducted by NYSDEC from August 1986 through September 1998. These investigations revealed soil and sediment contamination and the presence of buried drums containing waste material. Samples of soil, sediments and surface waters have identified the presence of PCBs. This information prompted the New York State Division of Fish and Wildlife (NYSDFW) to declare this Site a significant threat to wildlife. The soil gas survey data collected during the investigation showed levels of toluene up to 1,600 ug/m^3 in two sampling locations in the suspected drum burial area.

C. Preliminary Assessment Results

The NYSDEC began a Phase I investigation of this Site in August 1986. The data collected during this Phase, as well as follow up inspections performed in 1990, led NYSDEC to begin a Phase II investigation in October 1991. The Phase II investigation included a historical review of site use, literature searches on the property and interviews with personnel familiar with the Site during its years of operation. Geophysical studies, soil gas surveys and soil, water and sediment sampling was also conducted at that time. The results of this investigation concluded that a Remedial Investigation, which included test pit excavations, was warranted to further delineate the Site. Test pits were conducted in September 1998 by NYSDEC which revealed numerous drums in the southwest corner

of the Site.

On October 6, 1998, NYSDEC formally requested EPA to undertake an Emergency Removal Action to stabilize, identify and dispose of an estimated 30 buried drums containing pesticides, spent solvents and other unknowns identified during NYSDECs test pit investigation of anomalies from a geophysical and soil vapor gas survey. On October 7, 1998, the United States Environmental Protection Agency (EPA) met with the NYSDEC to view the Site and obtain information regarding the drums identified during test pit excavations.

IV RESPONSE INFORMATION

A. Planned Removal Actions

EPA will excavate and document any identifying information from the drums prior to securing drums in over packs. Visibly contaminated soil will be stock piled as the excavation progresses. All of the drums will be sampled and hazcatted and put into bulk groups as designated by the hazcat results. Composite samples will be sent out for disposal analysis. Once the lab analysis is received, the drums and soil will be disposed of accordingly.

B. Situation

1. Current Situation

On February 25, 1999 the Action Memorandum for the Confirmation of Verbal Authorization and Request for a Ceiling Increase for a Removal Action was approved. An enforcement strategy was developed and the collection of enforcement samples from the drums and contaminated soil has commenced.

2. Removal actions to date

On May 25, EPA and ERRS mobilized to the site to prepare for additional sampling. Drums were removed from the storage boxes and staged to the east of the helipad in their disposal bulk groups. Drums selected for sampling were staged in a sampling area which was surrounded by high visibility fencing. Once drums were removed from the boxes, off-hour security commenced.

On June 1, the EPA Department of Environmental Science and Assessment (DESA) mobilized to begin sampling of the 19 selected drums. The Superfund Technical Assessment and Response Team (START) photo documented 35 drums contained in the over pack drums.

Between June 2 and June 4, 1999 the EPA's DESA sampling team collected 13 drum samples (D93/94, D97, D105, D113, D119, D122, D124, D130, D135, D137, D144/145, D157L, D166). All samples were sent out for individual analysis with the exception of D113 and D166 which were part of composite -Comp 1, along with D122, D130, and D137. The sample were sent/delivered to the lab on June 4, 1999.

A representative from Ashland and URS Greiner Woodward Clyde (consultant to Ashland) were present on site during the drum sampling event and collected split samples of all the drums sampled.

The representative for the property owner stops at the site occasionally for an update of site progress.

3. Enforcement

Based on the historical information and the information obtained from the labels on the drums retrieved from the landfill, an enforcement sampling plan was generated. Sampling of 19 drums and 6-8 soil samples will be collected as detailed in the sampling plan.

Notice letters were sent to three potentially responsible parties based on label information from the excavated drums and ownership of the property. A draft AOC was also forwarded to the three PRPs.

C. Next Steps

Sampling of selected drums and the contaminated soil pile will continue.

Drums will be returned to the storage trailers once sampling is completed.

Representatives for Unisys Corporation, Blasland Bouck & Lee Inc.(BBL) will be on site next week to collect samples of the drums identified as Remington Rand.

D. Key Issues

Due to the extreme heat, progress of sampling has been reduced.

V. COST INFORMATION

The costs estimated below are through June 4, 1999.

	CURRENT APPROVED CEILINGS	CURRENT EXPENDITURES	BALANCE OF REMAINING FUNDS
ERRS [1]	$322,000	$155,400	$166,600
START	$24,750	$15,350	$9,400
EPA	$35,000	$14,100	$20,900
CONTINGENCY	$30,250	$0	$30,250
TOTAL	$412,000	$184,850	$227,150

[1] This amount is comprised of DCN #'s as follows: HX-0002, HE-0005, and HE0039 for $50,000, $80,000 and $192,000, respectively.

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the EPA may include in any claims for cost recovery.

VI. DISPOSITION OF WASTES

Not applicable at this time

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

Date: June 11, 1999

From: Irmee Huhn, OSC, Region II
Removal Action Branch

To:

R. Salkie, EPA
B. Bellow, 2CD
T. Johnson, 5202G
J. Witkowski, 2ERRD-RAB
P. Simon, 2ORC-NYCSFB
J. LaPadula, 2ERRD-NYRB
A. Raddant, DOI
T. Vickerson, NYSDEC
A. Block, CDC-ATSDR
J. Tankoos, EPA
J. Rotola, EPA
G. Zachos, EPA
R. Cahill, 2CD-PAT
K. Guarino, 2CID
G. Shannahan, EPA
R. Byrnes, EPA, 2OIG
M. O'Toole, NYSDEC
J. Konsella, NYSDEC
ERD, Washington, (E-Mail)
START

Subject: Amenia Town Landfill, Amenia, Dutchess County, New York

POLREP NO.: Four (4)

II. BACKGROUND

Site No.:	LZ
Delivery Order No.:	2100-02-032
Response Authority:	CERCLA
CERCLIS ID#:	NYD980641559
NPL Status:	Non-NPL
State Notification:	NYSDEC notified
Action Memo Status:	Verbal Authorization 10/8/98, Signed 2/25/99
Start Date:	10/12/98
Demobe Date:	11/20/98
Remobe Date:	05/25/99
Demobe Date:	06/10/99

III. SITE INFORMATION

A. **Incident Category:** Inactive municipal landfill

B. Site Description

1. Site description

The Site is a privately owned 10 acre parcel of land located in a rural area of the Town of Amenia, Dutchess County, New York. The area currently being investigated by EPA is in the southernmost portion of the Site and is approximately 1 acre in size. The Site is bordered by Route 22 to the east and by freshwater wetlands on the north and west. An unnamed stream flows through this wetland area which is a tributary to the Amenia Brook. The Harlem Valley landfill is located less than one quarter mile south west of the Site. An active public golf course is located within one half mile west of the Site.

The Site operated as a municipal landfill from the early 1940's until it was officially closed on April 16, 1976. During that period the property had several owners and operators, one of which was believed to have accepted industrial wastes in the form of drums and other containers. This allegedly occurred between 1969 and 1971, after which the owner/operator filed for bankruptcy. During an inspection performed by the Dutchess County Department of Health (DCDOH) on October 26, 1970, the inspector recorded the presence of several hundred drums of industrial waste staged in the southern end of the Site. Several of the drums were reportedly punctured and leaking onto the ground.

2. Description of threat

The Site was listed by the NYSDEC as a reported hazardous waste site in 1980 after visual inspections revealed the presence of surface drums and areas of stressed vegetation. Follow up investigations conducted by the state, which included geophysical studies, soil gas studies and test pit excavations, were conducted by NYSDEC from August 1986 through September 1998. These investigations revealed soil and sediment contamination and the presence of buried drums containing waste material. Samples of soil, sediments and surface waters have identified the presence of PCBs. This information prompted the New York State Division of Fish and Wildlife (NYSDFW) to declare this Site a significant threat to wildlife. The soil gas survey data collected during the investigation showed levels of toluene up to 1,600 ug/m^3 in two sampling locations in the suspected drum burial area.

C. Preliminary Assessment Results

The NYSDEC began a Phase I investigation of this Site in August 1986. The data collected during this Phase, as well as follow up inspections performed in 1990, led NYSDEC to begin a Phase II investigation in October 1991. The Phase II investigation included a historical review of site use, literature searches on the property and interviews with personnel familiar with the Site during its years of operation. Geophysical studies, soil gas surveys and soil, water and sediment sampling was also conducted at that time. The results of this investigation concluded that a Remedial Investigation, which included test pit excavations, was warranted to further delineate the Site. Test pits were conducted

in September 1998 by NYSDEC which revealed numerous drums in the southwest corner of the Site.

On October 6, 1998, NYSDEC formally requested EPA to undertake an Emergency Removal Action to stabilize, identify and dispose of an estimated 30 buried drums containing pesticides, spent solvents and other unknowns identified during NYSDECs test pit investigation of anomalies from a geophysical and soil vapor gas survey. On October 7, 1998, the United States Environmental Protection Agency (EPA) met with the NYSDEC to view the Site and obtain information regarding the drums identified during test pit excavations.

IV RESPONSE INFORMATION

A. Planned Removal Actions

EPA will excavate and document any identifying information from the drums prior to securing drums in over packs. Visibly contaminated soil will be stock piled as the excavation progresses. All of the drums will be sampled and hazcatted and put into bulk groups as designated by the hazcat results. Composite samples will be sent out for disposal analysis. Once the lab analysis is received, the drums and soil will be disposed of accordingly.

B. Situation

1. Current Situation

Enforcement sampling was completed on June 9. The site was secured and EPA, ERRS and START demobilized on June 10, 1999.

2. Removal actions to date

On June 1, the EPA Department of Environmental Science and Assessment (DESA), EPA RAB, ERRS and START mobilized to assist and sample the 19 selected drums. START arranged for quick turnaround analysis for 3 samples- 2 individual drums and 1 composite.

Between June 2 and June 4, 1999 the EPA's DESA sampling team collected 13 drum samples (D93/94, D97, D105, D113, D119*, D122, D124, D130, D135, D137, D144/145, D157L, D166). All samples were sent out for individual analysis with the exception of D113 and D166 which were part of composite -Comp 1, along with D122, D130, and D137 (* D119 and the composite sample were sent out by START for quick turnaround analysis). The sample were sent/delivered to the lab by DESA and START on June 4, 1999. Sampling continued June 7-9. Eleven additional samples (D40, D48, D90, D108, D115, D123, D125, D132 *, D155, D157S, D161) and 8 soil samples were sent to the lab on June 11, (*June 9 by START). Due to the high concentration of some

of the samples initially run, the CLP lab was unable to analyze the samples under the contract with DESA. START bid out the analysis and the samples initially sent out by DESA were redirected to Southwest of Oklahoma (under contract to Weston) for analysis.

EPA and START photo documented drums for label information contained in the over pack drums.

The representative for the property owner stopped at the site on June 1, for an update of site progress.

A representative from Ashland and URS Greiner Woodward Clyde (consultant to Ashland) were present on site during the drum sampling event and collected split samples of all the drums sampled.

Representatives for Unisys Corporation, Blasland Bouck & Lee Inc.(BBL) were on site on June 9-10 to collect samples of the drums identified as Remington Rand.

3. Enforcement

Notice letters were sent to three potentially responsible parties based on label information from the excavated drums and ownership of the property. A draft AOC was also forwarded to the three PRPs.

C. Next Steps

Transportation and disposal of the drums will be scheduled after the results from the sample analysis are received.

D. Key Issues

None.

V. COST INFORMATION

The costs estimated below are through June 10, 1999.

	CURRENT APPROVED CEILINGS	CURRENT EXPENDITURES	BALANCE OF REMAINING FUNDS
ERRS [1]	$322,000	$167,200	$154,800
START	$24,750	$18,350	$6,400
EPA	$35,000	$19,100	$15,900
CONTINGENCY	$30,250	$0	$30,250
TOTAL	$412,000	$204,650	$207,350

[1] This amount is comprised of DCN #'s as follows: HX-0002, HE-0005, and HE0039 for $50,000, $80,000 and $192,000, respectively.

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the EPA may include in any claims for cost recovery.

VI. DISPOSITION OF WASTES

Not applicable at this time

17 Pages

Antech Ltd.

One Triangle Lane • Export, Pennsylvania 15632 • Phone: (724) 733-1161 • Fax: (724) 327-7793

December 10, 1998

Mr. Cyril Timko
Westinghouse Remediation Services, Inc
346 South Warminister Road
Hatboro, PA 19040

Soil/Waste Characterization
3313-98-3036; Amenia Town Landfill
Antech Ltd. Project No. 98-6820

Dear Mr. Timko:

Enclosed are analytical results for samples submitted by Westinghouse Remediation Services, Inc. Samples were received on November 20, 1998 and logged in for analysis on November 23, 1998.

Appropriate U.S. Environmental Protection Agency methods were used and are indicated accordingly on the data tables. Appropriate quality assurance/quality control analyses were performed in accordance with Antech Ltd.'s Statement of Qualifications. If you have any questions, please call me.

Sincerely,

Paula Y. Crawford
Project Coordinator

PYC:vt

Enclosures

ANTECH LTD.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

ANTECH LTD.: 98-6820
CLIENT: 3313-98-3036

B: SAMPLE IDENTIFICATIONS:

Antech ID	Client ID	Antech ID	Client ID
9811-2548	Comp #1	9811-2549	Comp #2
9811-2550	Comp #3	9811-2551	Comp #4
9811-2552	Comp #5	9811-2553	Comp #6
9811-2554	Comp #7	9811-2555	Comp #8
9811-2556	D137	9811-2557	D145
9811-2558	D143	9811-2559	Cont. Soil
9811-2560	Comp #9	9811-2561	Comp #10
9811-2562	Comp #11		

C: SHIPPING/RECEIVING COMMENTS:

None

II. PREPARATION/ANALYSIS COMMENTS:

A: GENERAL CHEMISTRY:
None

B: METALS:
None

C: ORGANICS:

1. VOLATILES:
Detection limits have been elevated due to matrix interferences.

2. SEMIVOLATILES:
Detection limits have been elevated due to matrix interferences.

3. PESTICIDES/PCBS:
Detection limits have been elevated due to matrix interferences.

4. HERBICIDES:
Detection limits have been elevated due to matrix interferences.

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.
Please refer to the enclosed TCLP Regulatory Levels table for appropriate regulatory levels and hazardous waste numbers.

Table 1
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	Analytical Method	Units	Sample Identification 9811-2561 Comp #10 (11/19/98)	9811-2562 Comp #11 (11/19/98)	9811-2563 Method Blank (11/20/98)
Cyanide (Reactive)	7.3.3.2/9012 (1)	mg/kg	<1.0	<1.0	<1.0
Flash Point	1010 (1)	°F	>200	150	NAP
pH	9045 (1)	pH units	5.15	8.68	NAP
Sulfide (Reactive)	7.3.4.1/9030 (1)	mg/kg	<10	<10	NAP
Polychlorinated Biphenyls	8082 (1)	mg/kg	<1.0	<1.0	<1.0
TCLP (2) Metals:					
Silver (TCLP)	6010 (1)	mg/l	<0.050	<0.050	<0.050
Arsenic (TCLP)	6010 (1)	mg/l	<0.050	<0.050	<0.050
Barium (TCLP)	6010 (1)	mg/l	<1.0	1.6	<1.0
Cadmium (TCLP)	6010 (1)	mg/l	0.59	<0.050	<0.050
Chromium (TCLP)	6010 (1)	mg/l	<0.050	<0.050	<0.050
Mercury (TCLP)	7470 (1)	mg/l	<0.010	<0.010	<0.010
Lead (TCLP)	6010 (1)	mg/l	<0.050	0.76	<0.050
Selenium (TCLP)	6010 (1)	mg/l	<0.10	<0.10	<0.10
TCLP Extraction Fluid Data:					
Extraction Fluid	1311 (1)	-	No.1	No.1	No.1
pH with Deionized Water		pH units	5.97	8.93	NAP
pH After Addition of 1 Normal HCL		pH units	1.12	1.55	NAP
pH of TCLP Extract		pH units	4.21	7.00	4.93
Amount of Sample Extracted		g	50.0	50.0	NAP

(1) U.S. Environmental Protection Agency, 1987, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.
(2) TCLP = Toxicity Characteristic Leaching Procedure.
(3) NAP = Not applicable.

General Data Table
Westinghouse Remediation Services, Inc.
Antech Ltd. Project No. 98-6820
Waste Characterization; 3313-98-3036
Amenia Town Landfill

1 mg/l = 1000 µg/l

Parameter	CAS (1) Number	Units	Sample Identification 9811-2548 Comp #1 (11/19/98)	9811-2549 Comp #2 (11/19/98)
TCLP Volatile Organic Analysis: (8260) (2)				
Benzene	71-43-2	µg/l	<500	680
2-Butanone	78-93-3	µg/l	<5000	<5000
Carbon tetrachloride	56-23-5	µg/l	<500	<50
Chlorobenzene	108-90-7	µg/l	<1000	<1000
Chloroform	67-66-3	µg/l	<500	<500
1,2-Dichloroethane	107-06-2	µg/l	<500	100
1,1-Dichloroethene	75-35-4	µg/l	<500	<50
Tetrachloroethene	127-18-4	µg/l	<500	<50
Trichloroethene	79-01-6	µg/l	<500	<50
Vinyl chloride	75-01-4	µg/l	<500	41000
TCLP Base/Neutral Extractables: (8270) (2)				
1,4-Dichlorobenzene	106-46-7	µg/l	<85000	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<85000	<100
Hexachlorobutadiene	87-68-3	µg/l	<85000	<100
Hexachlorobenzene	118-74-1	µg/l	<85000	<100
Hexachloroethane	67-72-1	µg/l	<85000	<500
Nitrobenzene	98-95-3	µg/l	<85000	<100
Pyridine	110-86-1	µg/l	<85000	<500
TCLP Acid Extractables: (8270) (2)				
Total Cresol (TCLP)	(3)	µg/l	<85000	<5000
Pentachlorophenol	87-86-5	µg/l	<85000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<85000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<85000	<100
TCLP Pesticides: (8051) (2)				
gamma-BHC (Lindane)	58-89-9	µg/l	<350	<10
Endrin	72-20-8	µg/l	<700	<3.0
Heptachlor Epoxide	1024-57-3	µg/l	<350	<1.5
Heptachlor	76-44-8	µg/l	<350	<1.5
Methoxychlor	72-43-5	µg/l	<3500	<100
Tech. Chlordane	57-74-9	µg/l	<3500	<15
Toxaphene	8001-35-2	µg/l	<7000	<50
TCLP Herbicides: (8151) (2)				
2,4-D	94-75-7	µg/l	<1000	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<1000	<10

See footnotes at end of table.

Table 1
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	Analytical Method	Units	Sample Identification 9811-2551 Comp #4 (11/19/98)	9811-2552 Comp #5 (11/19/98)	9811-2553 Comp #6 (11/19/98)
Cyanide (Reactive)	7.3.3.2/9012(1)	mg/kg	<1.0	<1.0	<1.0
Flash Point	1010(1)	°F	100	>200	>200
pH	9045(1)	pH units	4.41	3.11	10.79
Sulfide (Reactive)	7.3.4.1/9030(1)	mg/kg	<10	<10	<10
Polychlorinated Biphenyls	8082(1)	mg/kg	<620	<1.0	<1.0
TCLP(2) Metals:					
Silver (TCLP)	6010(1)	mg/l	<0.050	<0.050	<0.050
Arsenic (TCLP)	6010(1)	mg/l	0.050	<0.050	0.071
Barium (TCLP)	6010(1)	mg/l	1.4	3.1	1.1
Cadmium (TCLP)	6010(1)	mg/l	<0.050	<0.050	<0.050
Chromium (TCLP)	6010(1)	mg/l	0.053	<0.050	<0.050
Mercury (TCLP)	7470(1)	mg/l	<0.010	<0.010	<0.010
Lead (TCLP)	6010(1)	mg/l	1.2	6.4	0.087
Selenium (TCLP)	6010(1)	mg/l	0.12	0.20	0.12
TCLP Extraction Fluid Data:					
Extraction Fluid	1311(1)	-	No.1	No.1	No.2
pH with Deionized Water		pH units	4.46	3.12	11.21
pH After Addition of 1 Normal HCL		pH units	NAP	NAP	9.78
pH of TCLP Extract		pH units	3.89	3.90	7.91
Amount of Sample Extracted		g	50.0	50.0	50.0

See footnotes at end of table.

Doo 8

Table 1
General Data Table
Westinghouse Remediation Services, Inc.
Antech Ltd. Project No. 98-6820
Waste Characterization; 3313-98-3036
Amenia Town Landfill

Parameter	Analytical Method	Units	Sample Identification 9811-2548 Comp #1 (11/19/98)	9811-2549 Comp #2 (11/19/98)	9811-2550 Comp #3 (11/19/98)
Cyanide (Reactive)	7.3.3.2/9012 (1)	mg/kg	<1.0	<1.0	<1.0
Flash Point	1010 (1)	°F	>200	>200	>200
pH	9045 (1)	pH units	1.52	9.77	8.15
Sulfide (Reactive)	7.3.4.1/9030 (1)	mg/kg	<10	<10	<10
Polychlorinated Biphenyls	8082 (1)	mg/kg	<1.0	<1.0	<1.0
TCLP (2) Metals:					
Silver (TCLP)	6010 (1)	mg/l	<0.050	<0.050	<0.050
Arsenic (TCLP)	6010 (1)	mg/l	1.5	<0.050	0.051
Barium (TCLP)	6010 (1)	mg/l	2.6	<1.0	<1.0
Cadmium (TCLP)	6010 (1)	mg/l	<0.050	<0.050	<0.050
Chromium (TCLP)	6010 (1)	mg/l	98	<0.050	<0.050
Mercury (TCLP)	7470 (1)	mg/l	17	<0.010	<0.010
Lead (TCLP)	6010 (1)	mg/l	84	<0.050	0.37
Selenium (TCLP)	6010 (1)	mg/l	<0.10	<0.10	<0.10
TCLP Extraction Fluid Data:					
Extraction Fluid	1311 (1)	-	NAP (3)	No.1	No.1
pH with Deionized Water		pH units	NAP	10.09	7.50
pH After Addition of 1 Normal HCL		pH units	NAP	1.58	1.55
pH of TCLP Extract		pH units	7.01	8.01	4.95
Amount of Sample Extracted		g	NAP	50.0	50.0

See footnotes at end of table.

Table 1
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	Analytical Method	Units	Sample Identification 9811-2554 Comp #7 (11/19/98)	9811-2555 Comp #8 (11/19/98)	9811-2556 D137 (11/19/98)
Cyanide (Reactive)	7.3.3.2/9012 (1)	mg/kg	<1.0	<1.0	<1.0
Flash Point	1010 (1)	°F	140	>200	>200
pH	9045 (1)	pH units	6.64	8.82	4.53
Sulfide (Reactive)	7.3.4.1/9030 (1)	mg/kg	<10	<10	<10
Polychlorinated Biphenyls	8082 (1)	mg/kg	<1.0	<1.0	<1.0
TCLP (2) Metals:					
Silver (TCLP)	6010 (1)	mg/l	<0.050	<0.050	<0.050
Arsenic (TCLP)	6010 (1)	mg/l	<0.050	<0.050	0.15
Barium (TCLP)	6010 (1)	mg/l	1.0	<1.0	1.0
Cadmium (TCLP)	6010 (1)	mg/l	0.17	<0.050	<0.050
Chromium (TCLP)	6010 (1)	mg/l	<0.050	0.14	0.58
Mercury (TCLP)	7470 (1)	mg/l	<0.010	<0.010	<0.10
Lead (TCLP)	6010 (1)	mg/l	0.12	4.2	0.44
Selenium (TCLP)	6010 (1)	mg/l	<0.10	<0.10	<0.10
TCLP Extraction Fluid Data:					
Extraction Fluid	1311 (1)	-	No.1	No.2	NAP
pH with Deionized Water		pH units	6.20	9.64	NAP
pH After Addition of 1 Normal HCL		pH units	1.28	5.66	NAP
pH of TCLP Extract		pH units	5.99	7.01	5.10
Amount of Sample Extracted		g	50.0	50.0	NAP

See footnotes at end of table.

Table 1
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	Analytical Method	Units	Sample Identification 9811-2557 D145 (11/19/98)	9811-2558 D143 (11/19/98)	9811-2560 Comp #9 (11/19/98)
Cyanide (Reactive)	7.3.3.2/9012(1)	mg/kg	<1.0	<1.0	<1.0
Flash Point	1010(1)	°F	80.0	80.0	>200
pH	9045(1)	pH units	4.94	4.14	9.85
Sulfide (Reactive)	7.3.4.1/9030(1)	mg/kg	<10	<10	<10
Polychlorinated Biphenyls	8082(1)	mg/kg	<2.0	<1.0	<1.0
TCLP(2) Metals:					
Silver (TCLP)	6010(1)	mg/l	<0.050	0.27	<0.050
Arsenic (TCLP)	6010(1)	mg/l	4.3	<0.050	<0.050
Barium (TCLP)	6010(1)	mg/l	<1.0	1.8	<1.0
Cadmium (TCLP)	6010(1)	mg/l	<0.050	<0.050	<0.050
Chromium (TCLP)	6010(1)	mg/l	0.11	0.91	<0.050
Mercury (TCLP)	7470(1)	mg/l	<0.10	<0.10	<0.010
Lead (TCLP)	6010(1)	mg/l	0.85	1.1	<0.050
Selenium (TCLP)	6010(1)	mg/l	17	<0.10	<0.10
TCLP Extraction Fluid Data:					
Extraction Fluid	1311(1)	-	NAP	NAP	No.1
pH with Deionized Water		pH units	NAP	NAP	9.90
pH After Addition of 1 Normal HCL		pH units	NAP	NAP	4.79
pH of TCLP Extract		pH units	6.00	6.09	5.88
Amount of Sample Extracted		g	NAP	NAP	50.0

See footnotes at end of table.

D010

Parameter	CAS (1) Number	Units	Sample Identification 9811-2550 Comp #3 (11/19/98)	9811-2551 Comp #4 (11/19/98)
TCLP Volatile Organic Analysis: (8260) (2)				
Benzene	71-43-2	µg/l	<50	<50
2-Butanone	78-93-3	µg/l	<5000	39000
Carbon tetrachloride	56-23-5	µg/l	<50	<50
Chlorobenzene	108-90-7	µg/l	<1000	<1000
Chloroform	67-66-3	µg/l	<500	<500
1,2-Dichloroethane	107-06-2	µg/l	<50	<50
1,1-Dichloroethene	75-35-4	µg/l	<50	<50
Tetrachloroethene	127-18-4	µg/l	<50	<50
Trichloroethene	79-01-6	µg/l	<50	<50
Vinyl chloride	75-01-4	µg/l	<50	<50
TCLP Base/Neutral Extractables: (8270) (2)				
1,4-Dichlorobenzene	106-46-7	µg/l	<500	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<100	<100
Hexachlorobutadiene	87-68-3	µg/l	<100	<100
Hexachlorobenzene	118-74-1	µg/l	<100	<100
Hexachloroethane	67-72-1	µg/l	<500	<500
Nitrobenzene	98-95-3	µg/l	<100	<100
Pyridine	110-86-1	µg/l	<500	<500
TCLP Acid Extractables: (8270) (2)				
Total Cresol (TCLP)	(3)	µg/l	<5000	<5000
Pentachlorophenol	87-86-5	µg/l	<5000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<5000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<100	<100
TCLP Pesticides: (8051) (2)				
gamma-BHC (Lindane)	58-89-9	µg/l	<10	<10
Endrin	72-20-8	µg/l	<5.0	<4.0
Heptachlor Epoxide	1024-57-3	µg/l	<2.5	<2.0
Heptachlor	76-44-8	µg/l	<2.5	<2.0
Methoxychlor	72-43-5	µg/l	<100	<100
Tech. Chlordane	57-74-9	µg/l	<25	<20
Toxaphene	8001-35-2	µg/l	<50	<50
TCLP Herbicides: (8151) (2)				
2,4-D	94-75-7	µg/l	<100	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<10	<10

See footnotes at end of table.

Table 2
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	CAS (1) Number	Units	Sample Identification 9811-2552 Comp #5 (11/19/98)	9811-2553 Comp #6 (11/19/98)
TCLP Volatile Organic Analysis: (8260) (2)				
Benzene	71-43-2	µg/l	<50	<50
2-Butanone	78-93-3	µg/l	<5000	<5000
Carbon tetrachloride	56-23-5	µg/l	<50	<50
Chlorobenzene	108-90-7	µg/l	<1000	<1000
Chloroform	67-66-3	µg/l	<500	<500
1,2-Dichloroethane	107-06-2	µg/l	<50	<50
1,1-Dichloroethene	75-35-4	µg/l	<50	<50
Tetrachloroethene	127-18-4	µg/l	<50	<50
Trichloroethene	79-01-6	µg/l	<50	<50
Vinyl chloride	75-01-4	µg/l	<50	<50
TCLP Base/Neutral Extractables: (8270) (2)				
1,4-Dichlorobenzene	106-46-7	µg/l	<500	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<100	<100
Hexachlorobutadiene	87-68-3	µg/l	<100	<100
Hexachlorobenzene	118-74-1	µg/l	<100	<100
Hexachloroethane	67-72-1	µg/l	<500	<500
Nitrobenzene	98-95-3	µg/l	<100	<100
Pyridine	110-86-1	µg/l	<500	<500
TCLP Acid Extractables: (8270) (2)				
Total Cresol (TCLP)	(3)	µg/l	<5000	<5000
Pentachlorophenol	87-86-5	µg/l	<5000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<5000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<100	<100
TCLP Pesticides: (8051) (2)				
gamma-BHC (Lindane)	58-89-9	µg/l	<10	<10
Endrin	72-20-8	µg/l	<3.0	<4.0
Heptachlor Epoxide	1024-57-3	µg/l	<1.5	<2.0
Heptachlor	76-44-8	µg/l	<1.5	<2.0
Methoxychlor	72-43-5	µg/l	<100	<100
Tech. Chlordane	57-74-9	µg/l	<15	<20
Toxaphene	8001-35-2	µg/l	<50	<50
TCLP Herbicides: (8151) (2)				
2,4-D	94-75-7	µg/l	<100	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<10	<10

See footnotes at end of table.

Parameter	CAS (1) Number	Units	Sample Identification 9811-2554 Comp #7 (11/19/98)	9811-2555 Comp #8 (11/19/98)
TCLP Volatile Organic Analysis: (8260) (2)				
Benzene	71-43-2	µg/l	53	<50
2-Butanone	78-93-3	µg/l	<5000	<5000
Carbon tetrachloride	56-23-5	µg/l	<50	<50
Chlorobenzene	108-90-7	µg/l	<1000	<1000
Chloroform	67-66-3	µg/l	<500	<500
1,2-Dichloroethane	107-06-2	µg/l	<50	<50
1,1-Dichloroethene	75-35-4	µg/l	<50	<50
Tetrachloroethene	127-18-4	µg/l	<50	<50
Trichloroethene	79-01-6	µg/l	<50	<50
Vinyl chloride	75-01-4	µg/l	<50	<50
TCLP Base/Neutral Extractables: (8270) (2)				
1,4-Dichlorobenzene	106-46-7	µg/l	<500	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<100	<100
Hexachlorobutadiene	87-68-3	µg/l	<100	<100
Hexachlorobenzene	118-74-1	µg/l	<100	<100
Hexachloroethane	67-72-1	µg/l	<500	<500
Nitrobenzene	98-95-3	µg/l	<100	<100
Pyridine	110-86-1	µg/l	<500	<500
TCLP Acid Extractables: (8270) (2)				
Total Cresol (TCLP)	(3)	µg/l	<5000	<5000
Pentachlorophenol	87-86-5	µg/l	<5000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<5000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<100	<100
TCLP Pesticides: (8051) (2)				
gamma-BHC (Lindane)	58-89-9	µg/l	<20	<10
Endrin	72-20-8	µg/l	<4.0	<4.0
Heptachlor Epoxide	1024-57-3	µg/l	<2.0	<2.0
Heptachlor	76-44-8	µg/l	<2.0	<2.0
Methoxychlor	72-43-5	µg/l	<100	<100
Tech. Chlordane	57-74-9	µg/l	<20	<20
Toxaphene	8001-35-2	µg/l	<50	<50
TCLP Herbicides: (8151) (2)				
2,4-D	94-75-7	µg/l	<100	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<10	<10

See footnotes at end of table.

Table 2
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	CAS[1] Number	Units	Sample Identification 9811-2556 D137 (11/19/98)	Sample Identification 9811-2557 D145 (11/19/98)
TCLP Volatile Organic Analysis: (8260)[2]				
Benzene	71-43-2	µg/l	<6300	<500000
2-Butanone	78-93-3	µg/l	<6300	520000000
Carbon tetrachloride	56-23-5	µg/l	<6300	<500000
Chlorobenzene	108-90-7	µg/l	<6300	<500000
Chloroform	67-66-3	µg/l	<6300	<500000
1,2-Dichloroethane	107-06-2	µg/l	<6300	<500000
1,1-Dichloroethene	75-35-4	µg/l	<6300	<500000
Tetrachloroethene	127-18-4	µg/l	<6300	<500000
Trichloroethene	79-01-6	µg/l	<6300	<500000
Vinyl chloride	75-01-4	µg/l	<6300	<500000
TCLP Base/Neutral Extractables: (8270)[2]				
1,4-Dichlorobenzene	106-46-7	µg/l	<940000	<98000
2,4-Dinitrotoluene	121-14-2	µg/l	<940000	<98000
Hexachlorobutadiene	87-68-3	µg/l	<940000	<98000
Hexachlorobenzene	118-74-1	µg/l	<940000	<98000
Hexachloroethane	67-72-1	µg/l	<940000	<98000
Nitrobenzene	98-95-3	µg/l	<940000	<98000
Pyridine	110-86-1	µg/l	<940000	<98000
TCLP Acid Extractables: (8270)[2]				
Total Cresol (TCLP)	(3)	µg/l	<940000	300000
Pentachlorophenol	87-86-5	µg/l	<940000	<98000
2,4,5-Trichlorophenol	95-95-4	µg/l	<940000	<98000
2,4,6-Trichlorophenol	88-06-2	µg/l	<940000	<98000
TCLP Pesticides: (8051)[2]				
gamma-BHC (Lindane)	58-89-9	µg/l	<650	<1000
Endrin	72-20-8	µg/l	<1200	<2000
Heptachlor Epoxide	1024-57-3	µg/l	<650	<1000
Heptachlor	76-44-8	µg/l	<650	<1000
Methoxychlor	72-43-5	µg/l	<6500	<10000
Tech. Chlordane	57-74-9	µg/l	<6500	<10000
Toxaphene	8001-35-2	µg/l	<13000	<20000
TCLP Herbicides: (8151)[2]				
2,4-D	94-75-7	µg/l	<1000	<1000
2,4,5-TP (Silvex)	93-72-1	µg/l	<1000	<1000

See footnotes at end of table.

Table 2
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	CAS (1) Number	Units	Sample Identification 9811-2558 D143 (11/19/98)	9811-2560 Comp #9 (11/19/98)
TCLP Volatile Organic Analysis: (8260) (2)				
Benzene	71-43-2	µg/l	<63000	<50
2-Butanone	78-93-3	µg/l	11000000	<5000
Carbon tetrachloride	56-23-5	µg/l	<63000	<50
Chlorobenzene	108-90-7	µg/l	<63000	<1000
Chloroform	67-66-3	µg/l	<63000	<500
1,2-Dichloroethane	107-06-2	µg/l	<63000	<50
1,1-Dichloroethene	75-35-4	µg/l	<63000	<50
Tetrachloroethene	127-18-4	µg/l	74000	<50
Trichloroethene	79-01-6	µg/l	720000	<50
Vinyl chloride	75-01-4	µg/l	<63000	<50
TCLP Base/Neutral Extractables: (8270) (2)				
1,4-Dichlorobenzene	106-46-7	µg/l	<990000	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<990000	<100
Hexachlorobutadiene	87-68-3	µg/l	<990000	<100
Hexachlorobenzene	118-74-1	µg/l	<990000	<100
Hexachloroethane	67-72-1	µg/l	<990000	<500
Nitrobenzene	98-95-3	µg/l	<990000	<100
Pyridine	110-86-1	µg/l	<990000	<500
TCLP Acid Extractables: (8270) (2)				
Total Cresol (TCLP)	(3)	µg/l	1300000	<5000
Pentachlorophenol	87-86-5	µg/l	<990000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<990000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<990000	<100
TCLP Pesticides: (8051) (2)				
gamma-BHC (Lindane)	58-89-9	µg/l	<2500	<10
Endrin	72-20-8	µg/l	<5000	<4.0
Heptachlor Epoxide	1024-57-3	µg/l	<2500	<2.0
Heptachlor	76-44-8	µg/l	<2500	<2.0
Methoxychlor	72-43-5	µg/l	<25000	<100
Tech. Chlordane	57-74-9	µg/l	<25000	<20
Toxaphene	8001-35-2	µg/l	<50000	<50
TCLP Herbicides: (8151) (2)				
2,4-D	94-75-7	µg/l	<1000	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<1000	<40

See footnotes at end of table.

Table 2
Antech Ltd. Project No. 98-6820
(Continued)

Parameter	CAS[1] Number	Units	Sample Identification 9811-2561 Comp #10 (11/19/98)	9811-2562 Comp #11 (11/19/98)
TCLP Volatile Organic Analysis: (8260)[2]				
Benzene	71-43-2	µg/l	<50	<50
2-Butanone	78-93-3	µg/l	25000	<5000
Carbon tetrachloride	56-23-5	µg/l	<50	<50
Chlorobenzene	108-90-7	µg/l	<1000	<1000
Chloroform	67-66-3	µg/l	<500	<500
1,2-Dichloroethane	107-06-2	µg/l	<50	<50
1,1-Dichloroethene	75-35-4	µg/l	<50	<50
Tetrachloroethene	127-18-4	µg/l	<50	<50
Trichloroethene	79-01-6	µg/l	<50	<50
Vinyl chloride	75-01-4	µg/l	<50	<50
TCLP Base/Neutral Extractables: (8270)[2]				
1,4-Dichlorobenzene	106-46-7	µg/l	<500	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<100	<100
Hexachlorobutadiene	87-68-3	µg/l	<100	<100
Hexachlorobenzene	118-74-1	µg/l	<100	<100
Hexachloroethane	67-72-1	µg/l	<500	<500
Nitrobenzene	98-95-3	µg/l	<100	<100
Pyridine	110-86-1	µg/l	<500	<500
TCLP Acid Extractables: (8270)[2]				
Total Cresol (TCLP)	(3)	µg/l	<5000	<5000
Pentachlorophenol	87-86-5	µg/l	<5000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<5000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<100	<100
TCLP Pesticides: (8051)[2]				
gamma-BHC (Lindane)	58-89-9	µg/l	<10	<10
Endrin	72-20-8	µg/l	<11	<4.0
Heptachlor Epoxide	1024-57-3	µg/l	<6.0	<2.0
Heptachlor	76-44-8	µg/l	<6.0	<2.0
Methoxychlor	72-43-5	µg/l	<100	<100
Tech. Chlordane	57-74-9	µg/l	<60	<20
Toxaphene	8001-35-2	µg/l	<120	<50
TCLP Herbicides: (8151)[2]				
2,4-D	94-75-7	µg/l	<100	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<40	<10

See footnotes at end of table.

Parameter	CAS[1] Number	Units	Sample Identification 9811-2563 Method Blank (11/20/98)
TCLP Volatile Organic Analysis: (8260)[2]			
Benzene	71-43-2	µg/l	<50
2-Butanone	78-93-3	µg/l	<5000
Carbon tetrachloride	56-23-5	µg/l	<50
Chlorobenzene	108-90-7	µg/l	<1000
Chloroform	67-66-3	µg/l	<500
1,2-Dichloroethane	107-06-2	µg/l	<50
1,1-Dichloroethene	75-35-4	µg/l	<50
Tetrachloroethene	127-18-4	µg/l	<50
Trichloroethene	79-01-6	µg/l	<50
Vinyl chloride	75-01-4	µg/l	<50
TCLP Base/Neutral Extractables: (8270)[2]			
1,4-Dichlorobenzene	106-46-7	µg/l	<10000
2,4-Dinitrotoluene	121-14-2	µg/l	<10000
Hexachlorobutadiene	87-68-3	µg/l	<10000
Hexachlorobenzene	118-74-1	µg/l	<10000
Hexachloroethane	67-72-1	µg/l	<10000
Nitrobenzene	98-95-3	µg/l	<10000
Pyridine	110-86-1	µg/l	<10000
TCLP Acid Extractables: (8270)[2]			
Total Cresol (TCLP)	(3)	µg/l	<10000
Pentachlorophenol	87-86-5	µg/l	<10000
2,4,5-Trichlorophenol	95-95-4	µg/l	<10000
2,4,6-Trichlorophenol	88-06-2	µg/l	<10000
TCLP Pesticides: (8051)[2]			
gamma-BHC (Lindane)	58-89-9	µg/l	<10
Endrin	72-20-8	µg/l	<1.0
Heptachlor Epoxide	1024-57-3	µg/l	<0.50
Heptachlor	76-44-8	µg/l	<0.50
Methoxychlor	72-43-5	µg/l	<100
Tech. Chlordane	57-74-9	µg/l	<10
Toxaphene	8001-35-2	µg/l	<50
TCLP Herbicides: (8151)[2]			
2,4-D	94-75-7	µg/l	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<10

(1) CAS = Chemical Abstracts Services.
(2) U.S. Environmental Protection Agency, 1987, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.
(3) m-Cresol 108-39-4, o-Cresol 95-48-7, and p-Cresol 106-44-5.

Table 3
General Data Table
Westinghouse Remediation Services, Inc.
Antech Ltd. Project No. 98-6820
Soil Characterization; 3313-98-3036
Amenia Town Landfill

Parameter	Analytical Method	Units	Sample Identification 9811-2559 Cont. Soil (11/19/98)	9811-2564 Method Blank (11/20/98)
Cyanide (Reactive)	7.3.3.2/9012[1]	mg/kg	<1.0	<1.0
Flash Point	1010[1]	°F	>200	NAP[2]
pH	9045[1]	pH units	6.43	NAP
Sulfide (Reactive)	7.3.4.1/9030[1]	mg/kg	<10	NAP
Total Petroleum Hydrocarbons (418.1)	3550[1]/418.1[3]	mg/kg	860	<40
Polychlorinated Biphenyls	8082[1]	mg/kg	<1.0	<1.0
TCLP[4] Metals:				
Silver (TCLP)	6010[1]	mg/l	<0.050	<0.050
Arsenic (TCLP)	6010[1]	mg/l	<0.050	<0.050
Barium (TCLP)	6010[1]	mg/l	<1.0	<1.0
Cadmium (TCLP)	6010[1]	mg/l	<0.050	<0.050
Chromium (TCLP)	6010[1]	mg/l	<0.050	<0.050
Mercury (TCLP)	7470[1]	mg/l	<0.010	<0.010
Lead (TCLP)	6010[1]	mg/l	0.14	<0.050
Selenium (TCLP)	6010[1]	mg/l	<0.10	<0.10
TCLP Extraction Fluid Data:				
Extraction Fluid	1311[1]	-	No.1	NO.2
pH with Deionized Water		pH units	6.83	NAP
pH After Addition of 1 Normal HCL		pH units	1.15	NAP
pH of TCLP Extract		pH units	5.10	2.89
Amount of Sample Extracted		g	50.0	NAP

(1) U.S. Environmental Protection Agency, 1987, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.
(2) NAP = Not applicable.
(3) U.S. Environmental Protection Agency, 1983, Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio.
(4) TCLP = Toxicity Characteristic Leaching Procedure.

Toxicity Characteristic Leaching Procedure (TCLP) Regulatory Levels

Contaminant	Regulatory Level (mg/l)	USEPA Hazardous Waste Number
Arsenic	5.0	D004
Barium	100.0	D005
Cadmium	1.0	D006
Chromium	5.0	D007
Lead	5.0	D008
Mercury	0.2	D009
Selenium	1.0	D010
Silver	5.0	D011
Endrin	0.02	D012
Lindane	0.4	D013
Methoxychlor	10.0	D014
Toxaphene	0.5	D015
2,4-D	10.0	D016
2,4,5-TP (Silvex)	1.0	D017
Benzene	0.5	D018
Carbon Tetrachloride	0.5	D019
Chlordane	0.03	D020
Chlorobenzene	100.0	D021
Chloroform	6.0	D022
Cresol	200.0	D026
1,4-Dichlorobenzene	7.5	D027
1,2-Dichloroethane	0.5	D028
1,1-Dichloroethene	0.7	D029
2,4-Dinitrotoluene	0.13	D030
Heptachlor	0.008	D031
Hexachlorobenzene	0.13	D032
Hexachlorobutadiene	0.5	D033
Hexachloroethane	3.0	D034
2-Butanone	200.0	D035
Nitrobenzene	2.0	D036
Pentachlorophenol	100.0	D037
Pyridine	5.0	D038
Tetrachloroethene	0.7	D039
Trichloroethene	0.5	D040
2,4,5-Trichlorophenol	400.0	D041
2,4,6-Trichlorophenol	2.0	D042
Vinyl chloride	0.2	D043

TCLP[1] Organic Analyses
Westinghouse Remediation Services, Inc.
Antech Ltd. Project No. 98-6820
Soil Characterization, 3313-98-3036
Amenia Town Landfill

Parameter	CAS[2] Number	Units	Sample Identification 9811-2559 Cont. Soil (11/19/98)	9811-2564 Method Blank (11/20/98)
TCLP Volatile Organic Analysis: (8260)[3]				
Benzene	71-43-2	µg/l	<50	<50
2-Butanone	78-93-3	µg/l	<5000	<5000
Carbon tetrachloride	56-23-5	µg/l	<50	<50
Chlorobenzene	108-90-7	µg/l	<1000	<1000
Chloroform	67-66-3	µg/l	<500	<500
1,2-Dichloroethane	107-06-2	µg/l	<50	<50
1,1-Dichloroethene	75-35-4	µg/l	<50	<50
Tetrachloroethene	127-18-4	µg/l	<50	<50
Trichloroethene	79-01-6	µg/l	<50	<50
Vinyl chloride	75-01-4	µg/l	<50	<50
TCLP Base/Neutral Extractables: (8270)[3]				
1,4-Dichlorobenzene	106-46-7	µg/l	<500	<500
2,4-Dinitrotoluene	121-14-2	µg/l	<100	<100
Hexachlorobutadiene	87-68-3	µg/l	<100	<100
Hexachlorobenzene	118-74-1	µg/l	<100	<100
Hexachloroethane	67-72-1	µg/l	<500	<500
Nitrobenzene	98-95-3	µg/l	<100	<100
Pyridine	110-86-1	µg/l	<500	<500
TCLP Acid Extractables: (8270)[3]				
Total Cresol (TCLP)	(4)	µg/l	<5000	<5000
Pentachlorophenol	87-86-5	µg/l	<5000	<5000
2,4,5-Trichlorophenol	95-95-4	µg/l	<5000	<5000
2,4,6-Trichlorophenol	88-06-2	µg/l	<100	<100
TCLP Pesticides: (8081)[3]				
gamma-BHC (Lindane)	58-89-9	µg/l	<10	<25
Endrin	72-20-8	µg/l	<4.0	<50
Heptachlor Epoxide	1024-57-3	µg/l	<2.0	<25
Heptachlor	76-44-8	µg/l	<2.0	<25
Methoxychlor	72-43-5	µg/l	<100	<100
Tech. Chlordane	57-74-9	µg/l	<20	<250
Toxaphene	8001-35-2	µg/l	<50	<500
TCLP Herbicides: (8150)[3]				
2,4-D	94-75-7	µg/l	<100	<100
2,4,5-TP (Silvex)	93-72-1	µg/l	<10	<10

(1) TCLP = Toxicity Characteristic Leaching Procedure.
(2) CAS = Chemical Abstracts Services.
(3) U.S. Environmental Protection Agency, 1987, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.
(4) m-Cresol 108-39-4, o-Cresol 95-48-7, and p-Cresol 106-44-5.

Antech Ltd.
Chain of Custody Record

Ship To:
Antech Ltd.
One Triangle Drive
Export, PA 15632
(724) 733-1161
FAX (724) 327-7793

Page 1 of

For Laboratory Use Only
Laboratory Project No.: 986820

Project Name: America Town Landfill Project No.: 3313-58-3036 Sampler: Cyril Timko (Printed Name) (Signature)

Relinquished By: (Signature and Printed Name) Cyril Timko Date 11/18/98 Time 2pm (Fedex) Received By: (Signature and Printed Name) Date 11 20 98 Time 1000

Relinquished By: (Signature and Printed Name) Date Time Received By: (Signature and Printed Name) Date Time

Antech Quote ID No.: 3313-58-3036
Antech Contact Name:
Client Purchase Order No.:
Method of Shipment: Fedex
Shipment ID:

Please Check when Monitoring Samples are Collected:
- [ ] Residual Chlorine Present
- [x] Residual Chlorine Not Present

Please Check when VOA Vials are Collected:
- [ ] Free of Bubbles
- [ ] Bubbles Present

(Specify in Special Instructions/Comments)

Sample ID Number	Date	Time	Description	Grab	Composite	Chemistry (500 ml, 1000 ml)	Nutrient (250 ml, 500 ml)	Total Metals (250 ml, 500 ml)	Dissolved Metals (250 ml, 500 ml)	Cyanide (1000 ml)	Phenolics (1000 ml)	TOC (125 ml)	TOX (250 ml)	Sulfide (500 ml)	Radiological (1000 ml)	Oil & Grease (1000 ml)	TPHC (1000 ml)	VOA (40 ml)	Organics (1000 ml, 2.5 liter)	Bacteriological (125 ml)	Wisconsin Jar. Soil (250 ml, 500 ml, 1000 ml)	VOA Septa Jar. Soil (125 ml)	Full TCIP	Oil Iron, Reactions	PCB	No. of Containers	For Lab Use Only Laboratory ID
Comp # 1	11/19	2p	Drum Comp		✓																					2	11 2548
Comp # 2	11/19	2			✓																					2	2549
Comp # 3	11/19	2			✓																					2	2550
Comp # 4	11/19	2			✓																					2	2551
Comp # 5	11/19	2			✓																					2	2552
Comp # 6	11/19	2			✓																					2	2553
Comp # 7	11/19	2			✓																					2	2554
Comp # 8	11/19	2			✓																					2	2555

Special Instructions/Comments:
14 day TAT all
Cyril Timko 11/20/98

Sample Return/Disposal:
- [ ] Return to Client
- [x] Disposal by Antech

Results To: Client Name: Cyril Timko
Company: WRS
Address: 346 S Warminster
Holboro Pa 19040
Phone No: 215 441 9266
Fax No:

Invoice To: Client Name:
Company:
Address:

For Laboratory Use Only:
Sample Condition Upon Receipt:
Was Temperature Vial Sent With Cooler? YES ____ NO ____ Cooler Temperature:
WHITE - Original COC File YELLOW - Return with Report PINK - Project File GOLD - Client Receipt

MAC.Antech-Admin.Antech-Chain of Custod
Rev.: 08/18/9

100039

Antech Ltd.
Chain of Custody Record

Ship To:
Antech Ltd.
One Triangle Drive
Export, PA 15632
(724) 733-1161
FAX (724) 327-7793

Page ___ of ___

For Laboratory Use Only 98 6820
Laboratory Project No.: ___

Project Name: Amenia Town Landfill Project No.: 3313-98-3036 Sampler: Cyril Timko (Printed Name) ___ (Signature)

Relinquished By: (Signature and Printed Name) Cyril Timko Date 11/19/98 Time 2pm (later) Received By: (Signature and Printed Name) [signature] Date 11 20 98 Time 1000

Relinquished By: (Signature and Printed Name) Date Time Received By: (Signature and Printed Name) Date Time

Antech Quote ID No.: 3313-98-3036
Antech Contact Name:
Client Purchase Order No.:
Method of Shipment: Fed Ex
Shipment ID:

Please Check when Monitoring Samples are Collected:
- [ ] Residual Chlorine Present
- [x] Residual Chlorine Not Present

Please Check when VOA Vials are Collected:
- [ ] Free of Bubbles
- [ ] Bubbles Present

(Specify in Special Instructions/Comments)

Circle Bottle Size: Chemistry (500 ml, 1000 ml); Nutrient (250 ml, 500 ml); Total Metals (250 ml, 500 ml); Dissolved Metals (250 ml, 500 ml); Cyanide (1000 ml); Phenolics (1000 ml); PCC (125 ml); FOX (250 ml); Sulfide (500 ml); Bacteriological (1000 ml); Oil & Grease (1000 ml); TPHC (1000 ml); VOA (40 ml); Organics (1000 ml, 2.5 liter); Bacteriological (125 ml); Wadsworth Jar, Soil (250 ml, 500 ml, 1000 ml); VOA Septa Jar, Soil (125 ml)

Other (Please Specify): Full TCLP; PH, Iron, Reactivity; TPH; DCB

Sample ID Number	Date	Time	Description	Grab	Composite	Full TCLP	PH, Iron, Reactivity	TPH	DCB	No. of Containers	For Lab Use Only: Laboratory ID
D137	11/19	2p	Drum 137	✓		✓	✓		✓	2	11-2556
D145	11/19	2p	Drum 145	✓		✓	✓		✓	2	2557
D143	11/19	2p	Drum 143	✓		✓	✓		✓	2	2558
Cont. Soil	11/19	2p	Contaminated Soil		✓	✓	✓	✓	✓	2	2559
Comp #9	11/19	2p	Drum Composite		✓	✓	✓		✓	2	2560
Comp #10	11/19	2p	Drum Composite		✓	✓	✓		✓	2	2561
Comp #11	11/19	2p	Drum Composite		✓	✓	✓		✓	2	256

Special Instructions/Comments: Comp #9 10 11 - Please Grind all Chunks Prior to Testing. These are samples of Fused Drums.
Contact Cyril Timko (WRS) 215 441 9266 w/ Q's

Sample Return/Disposal:
- [ ] Return to Client
- [x] Disposal by Antech

Results To: Client Name: Cyril Timko
Company: WRS
Address: 346 S Warminster Ave
Hatboro Pa 19040
Phone No: 215 441 9266
Fax No:

Invoice To: Client Name:
Company:
Address:

For Laboratory Use Only:
Sample Condition Upon Receipt:
Was Temperature Vial Sent With Cooler? YES ___ NO ___ Cooler Temperature:
WHITE - Original COC File YELLOW - Return with Report PINK - Project File GOLD - Client Receipt

MAC.Antech-Admin.Antech-Chain of Custody
Rev.: 08/18/98

100040

Amenia Town Landfill
Inactive Hazardous Waste Site

Amenia, New York
Site No. 3-14-006

Test Pit Investigation
Data Report

February 1999

Prepared by:

Division of Environmental Remediation
New York State Department of Environmental Conservation

100041

Amenia Town Landfill (#3-14-006)
Test Pit Investigation Data Summary

Historical documentation and aerial photographs indicated probable drummed waste disposal at the Amenia Town Landfill. The New York State Department of Environmental Conservation (NYSDEC) performed a test pit investigation in September 1998 to confirm the suspected presence of buried drums of hazardous waste. The report entitled "Test Pit Installation Report - Old Amenia Town Landfill Site", prepared by TAMS Consultants, Inc., dated October 6, 1998, summarizes the test pit investigation.

Numerous drums were found during the test pit investigation, including a large quantity of buried drums in the southern portion of the site which were still intact and contained solid and liquid wastes. Since the removal and proper disposal of drummed wastes from the site was beyond the scope and intent of the test pit investigation, a subsequent removal action was initiated by the United States Environmental Protection Agency (USEPA) at the request of the NYSDEC.

The USEPA conducted a drum removal effort between October 20,1988 and November 14, 1998. Approximately 167 intact, crushed, and partially crushed drums were excavated and secured in overpack containers on site. A summary of the EPA removal effort is contained in the report entitled "Drum Removal Report - Old Amenia Town Landfill Site", prepared by TAMS Consultants, Inc., dated December 18, 1998. The USEPA will arrange for the proper off-site disposal of this material in the future.

This document presents a summary of the analytical results from the 15 soil and waste samples taken during the test pit investigation.

Table 1

Amenia Landfill Site (3-14-006)
NYSDEC Test Pit Samples - September 1998
Summary of Organic Compounds (ug/kg) in Soil

Sample Number	P01S01	P01S05	P01S06	P02S03	P02S04	P03S02	P05S08	P06S09	P07S10	P08S11	DX1S07	NYSDEC
Lab. Sample ID	9809L659-001	9809L659-005	9809L659-006	9809L659-003	9809L659-004	9809L659-002	9809L694-002	9809L694-003	9809L694-004	9809L694-005	9809L694-001	TAGM 4046
Test Pit Number	1	1 (the "L")	1 (the "L")	2	2	3	5	6	7	8	near 9	Soil Cleanup
Approx. Depth	10'-11' BG	12' BG	17' BG	6' BG	17' BG	18' BG	12' BG	9' BG	19' BG	17' BG	surface	Guidance
Sampling Date	9/9/98	9/10/98	9/10/98	9/10/98	9/10/98	9/10/98	9/11/98	9/11/98	9/11/98	9/11/98	9/11/98	
CONC (ug/kg)	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg) Q	CONC (ug/kg)
VOLATILE ORGANICS												
Trichloroethene	ND	3,400 J	510 J	ND	ND	ND	ND	ND	ND	ND	ND	700
Tetrachloroethene	ND	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400
Toluene	390 J	200,000	190,000	14 J	130	38 J	ND	ND	ND	ND	ND	1,500
Ethylbenzene	900	110,000	18,000	85	28	220	ND	15	ND	ND	ND	5,500
Xylenes (total)	2,500	550,000	100,000	1,500	190	1,700	ND	9 J	4 J	ND	ND	1,200
SEMI-VOLATILE ORGANICS												
1,4 Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	23 J	270 J	ND	ND	8,500
4-Methylphenol	ND	ND	ND	ND	40 J	ND	ND	39 J	ND	ND	ND	900
Naphthalene	270 J	2,200 J	2,400 J	ND	ND	ND	ND	ND	87 J	ND	ND	13,000
2-Methylnaphthalene	180 J	ND	ND	ND	ND	ND	ND	31 J	97 J	ND	ND	36,400
Phenanthrene	ND	1,600 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	150 J	ND	50,000
bis (2-Ethylehexl) phthalate	9,000	88,000	16,000 J	31,000	96 J	900 J	63 J	300 J	1,300	21 J	ND	50,000
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	26 J	20 J	55 J	ND	ND	50,000
benzo (b) fluoranthene	ND	ND	ND	ND	ND	ND	34 J	32 J	110 J	21 J	ND	1,100
benzo (k) fluoranthene	ND	ND	ND	ND	ND	ND	32 J	33 J	120 J	21 J	ND	1,100
benzo (a) pyrene	ND	ND	ND	ND	ND	ND	30 J	32 J	120 J	25 J	ND	61
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	ND	ND	32 J	28 J	95 J	21 J	ND	3,200
Dibenz(a,h) anthracene	ND	ND	ND	ND	ND	ND	ND	ND	78 J	ND	ND	14
Pesticides/PCBs												
4,4' - DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	74 J	ND	2,100
Aroclor- 1242	390,000	530,000	4,800,000	200,000	2,400	290,000	880	27,000	ND	ND	ND	1,000 / 10,000

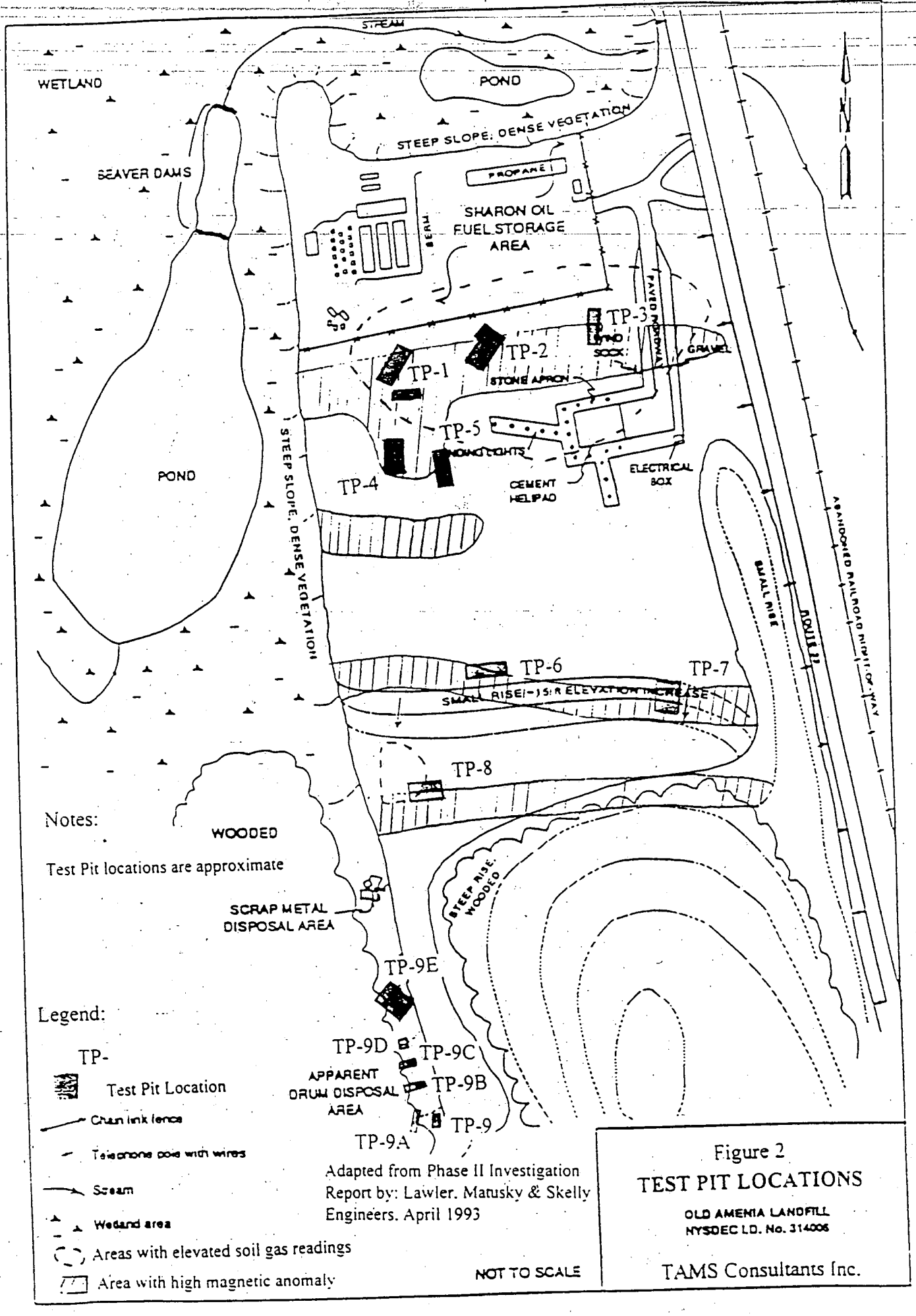
Notes:
Only those compounds detected in at least one sample have been included in this table.
2-Butanone, methylene chloride, acetone and Di-n-butylphthalate were present in blanks as well as samples- therefore these compounds are not reported in this table.
ND = Compound was analyzed for, but not detected.
J = Concentration has been estimated.
TAGM 4046 soil cleanup guidance values listed assume 1% TOC (5% for Aroclor 1242)
TAGM 4046 Recommended Cleanup value for PCBs: 1,000 ppb surface soil / 10,000 ppb subsurface soil

Table 2

Amenia Landfill Site (3-14-006)
NYSDEC Test Pit Samples - September 1998
Summary of Organic Compounds (ug/kg) in Wastes

Sample Number Lab. Sample ID Test Pit Number Approx. Depth Sampling Date CONC (ug/kg)	P09S012 9809L701-001 9 - blue stained soil 3.5'- 4' BG 9/14/98 CONC (ug/kg)	Q	P09S013 9809L701-002 9 white powder 9/14/98 CONC (ug/kg)	Q	P09S14 9809L701-003 9 - translucent solid from drum 9/14/98 CONC (ug/kg)	Q	P09S15 9809L701-004 9 - thick amber liquid from drum 9/14/98 CONC (ug/kg)	Q	NYSDEC TAGM 4046 Soil Cleanup Guidance CONC (ug/kg)
VOLATILE ORGANICS									
Benzene	160,000	J	NA		NA		ND		700
Toluene	380,000	J	NA		NA		ND		1,500
Ethylbenzene	240,000	J	NA		NA		ND		5,500
Xylenes (total)	1,800,000		NA		NA		ND		1,200
SEMI-VOLATILE ORGANICS									
Phenol	60,000	J	ND		11,000,000	E	9,800,000	E	300
2-Methylphenol	ND		ND		ND		55,000	J	100
4-Methylphenol	ND		ND		ND		57,000	J	900
Benzo (a) anthracene	ND		12,000	J	ND		ND		224
Chrysene	ND		15,000	J	ND		ND		400
Di-n-octyl phthalate	ND		18,000	J	ND		ND		50,000
benzo (b) fluoranthene	ND		17,000	J	ND		ND		1,100
benzo (k) fluoranthene	ND		20,000	J	ND		ND		1,100
benzo (a) pyrene	ND		17,000	J	ND		ND		61
Indeno (1,2,3-cd) pyrene	ND		17,000	J	ND		ND		3,200
Dibenz(a,h) anthracene	ND		17,000	J	ND		ND		14
Benzo (g,h,i) perylene	ND		17,000	J	ND		ND		50,000
TICs: Methylbenzenes	63,000,000	J	--		--		--		<10,000
Methidathion	--		37,400,000	J	--		--		<10,000
Characteristic Hazardous Waste Tests									
Ignitability	YES		NA		NA		NA		

Notes:
Only those compounds detected in at least one sample have been included in this table.
ND = Compound was analyzed for, but not detected.
NA= Analysis not performed
J = Concentration has been estimated.
TAGM 4046 soil cleanup guidance values listed assume 1% TOC



Notes:

Test Pit locations are approximate

Legend:

TP- Test Pit Location

Chain link fence

Telephone pole with wires

Stream

Wetland area

Areas with elevated soil gas readings

Area with high magnetic anomaly

Adapted from Phase II Investigation Report by: Lawler, Matusky & Skelly Engineers, April 1993

NOT TO SCALE

Figure 2

TEST PIT LOCATIONS

OLD AMENIA LANDFILL
NYSDEC I.D. No. 314006

TAMS Consultants Inc.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P01S01

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 4.20 (g/mL) G Lab File ID: x092113

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 11 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 0.952

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	160	BJ
67-64-1	Acetone	330	BJ
75-15-0	Carbon Disulfide	1300	U
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
540-59-0	1,2-Dichloroethene (total)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
78-93-3	2-Butanone	350	BJ
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	Trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
108-10-1	4-Methyl-2-pentanone	1300	U
591-78-6	2-Hexanone	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	390	J
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	900	
100-42-5	Styrene	1300	U
1330-20-7	Xylene (total)	2500	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P01S01

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 4.20 (g/mL) G Lab File ID: x092113

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 11 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 0.952

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.362	3000	J
2.	ALKANE	22.179	10000	J
3.	C3-ALKYLBENZENE	22.642	2000	J
4.	CYCLOALKANE	22.918	3000	J
5.	C3-ALKYLBENZENE	23.144	2000	J
6.	UNKNOWN	23.498	2000	J
7.	ALKANE	23.557	3000	J
8.	UNKNOWN	24.276	2000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S01

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102509

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 11 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)ether	1900	U
95-57-8	2-Chlorophenol	1900	U
541-73-1	1,3-Dichlorobenzene	1900	U
106-46-7	1,4-Dichlorobenzene	1900	U
95-50-1	1,2-Dichlorobenzene	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
120-82-1	1,2,4-Trichlorobenzene	1900	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	4700	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4700	U
131-11-3	Dimethylphthalate	1900	U
208-96-8	Acenaphthylene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
99-09-2	3-Nitroaniline	4700	U
83-32-9	Acenaphthene	1900	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S01

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102509

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 11 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	4700	U
100-02-7	4-Nitrophenol	4700	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
86-73-7	Fluorene	1900	U
100-01-6	4-Nitroaniline	4700	U
534-52-1	4,6-Dinitro-2-methylphenol	4700	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
87-86-5	Pentachlorophenol	4700	U
85-01-8	Phenanthrene	1900	U
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	250	JB
206-44-0	Fluoranthene	1900	U
129-00-0	Pyrene	1900	U
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)anthracene	1900	U
218-01-9	Chrysene	1900	U
117-81-7	bis(2-Ethylhexyl)phthalate	9000	
117-84-0	Di-n-octyl phthalate	1900	U
205-99-2	Benzo(b)fluoranthene	1900	U
207-08-9	Benzo(k)fluoranthene	1900	U
50-32-8	Benzo(a)pyrene	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	1900	U
53-70-3	Dibenz(a,h)anthracene	1900	U
191-24-2	Benzo(g,h,i)perylene	1900	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P01S01

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102509

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 11 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 35 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALKANE	9.12	5000	J
2.	ALKANE	10.86	9000	J
3.	ALKANE	12.47	3000	J
4.	ALKANE	13.95	4000	J
5.	ALKANE	16.17	2000	J
6.	ALKANE	16.65	5000	J
7.	ALKANE	17.89	5000	J
8.	ALKANE	18.96	8000	J
9.	DICHLOROBIPHENYL	19.19	4000	J
10.	DICHLOROBIPHENYL	19.40	7000	J
11.	DICHLOROBIPHENYL	19.52	20000	J
12.	ALKANE	19.84	3000	J
13.	TRICHLOROBIPHENYL	19.89	5000	J
14.	TRICHLOROBIPHENYL	20.23	20000	J
15.	DICHLOROBIPHENYL	20.28	20000	J
16.	TRICHLOROBIPHENYL	20.76	4000	J
17.	TRICHLOROBIPHENYL	20.90	20000	J
18.	TRICHLOROBIPHENYL	20.93	20000	J
19.	TRICHLOROBIPHENYL	21.08	10000	J
20.	TRICHLOROBIPHENYL	21.19	9000	J
21.	TETRACHLOROBIPHENYL	21.28	3000	J
22.	TETRACHLOROBIPHENYL	21.36	10000	J
23.	TETRACHLOROBIPHENYL	21.44	8000	J
24.	TETRACHLOROBIPHENYL	21.50	7000	J
25.	TETRACHLOROBIPHENYL	21.66	9000	J
26.	TRICHLOROBIPHENYL	21.72	9000	J
27.	TETRACHLOROBIPHENYL	21.83	10000	J
28.	TETRACHLOROBIPHENYL	21.96	3000	J
29.	TETRACHLOROBIPHENYL	22.09	6000	J
30.	TETRACHLOROBIPHENYL	22.13	10000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P01S01

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102509

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 11 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 35 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
31.	TETRACHLOROBIPHENYL	22.19	10000	J
32.	TETRACHLOROBIPHENYL	22.41	10000	J
33.	PENTACHLOROBIPHENYL	22.93	5000	J
34.	PENTACHLOROBIPHENYL	23.26	3000	J
35.	UNKNOWN	23.95	6000	J

FORM 1 SV-TIC RFW (v3.3)

ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S01

Lab Name: Recra LabNet Work Order: 01667-600-001-9999-00

Client: NYSDEC

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 09249835.23

% Moisture: 11 decanted: (Y/N) N Date Received: 09/11/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/16/98

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 09/25/98

Injection Volume: 0.5 (uL) Dilution Factor: 5000

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
319-84-6	Alpha-BHC	9300	U
319-85-7	Beta-BHC	9300	U
319-86-8	Delta-BHC	9300	U
58-89-9	gamma-BHC (Lindane)	9300	U
76-44-8	Heptachlor	9300	U
309-00-2	Aldrin	9300	U
1024-57-3	Heptachlor epoxide	9300	U
959-98-8	Endosulfan I	9300	U
60-57-1	Dieldrin	19000	U
72-55-9	4,4'-DDE	19000	U
72-20-8	Endrin	19000	U
33213-65-9	Endosulfan II	19000	U
72-54-8	4,4'-DDD	19000	U
1031-07-8	Endosulfan sulfate	19000	U
50-29-3	4,4'-DDT	19000	U
72-43-5	Methoxychlor	93000	U
53494-70-5	Endrin ketone	19000	U
7421-93-4	Endrin aldehyde	19000	U
5103-71-9	alpha-Chlordane	9300	U
5103-74-2	gamma-Chlordane	9300	U
8001-35-2	Toxaphene	930000	U
12674-11-2	Aroclor-1016	190000	U
11104-28-2	Aroclor-1221	370000	U
11141-16-5	Aroclor-1232	190000	U
53469-21-9	Aroclor-1242	390000	
12672-29-6	Aroclor-1248	190000	U
11097-69-1	Aroclor-1254	190000	U
11096-82-5	Aroclor-1260	190000	U

FORM 1 ORG V4.3

gw 10-6-98

020

100052

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P01S01

ab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA_ Case No.: KONSEL SAS No.: SDG No.: P01S01

atrix (soil/water): SOIL_ Lab Sample ID: 9809L659-001

Level (low/med): LOW Date Received: 09/11/98

Solids: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	7.7	B		P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	148			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	2.7			P
7440-70-2	Calcium	16800			P
7440-47-3	Chromium	23.6			P
7440-48-4	Cobalt	21.3			P
7440-50-8	Copper	81.7			P
7439-89-6	Iron	55100			P
7439-92-1	Lead	343			P
7439-95-4	Magnesium	11700			P
7439-96-5	Manganese	1150			P
7439-97-6	Mercury	0.13			AV
7440-02-0	Nickel	49.8			P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	0.27	B		P
7440-23-5	Sodium	138	B		P
7440-28-0	Thallium	2.5			P
7440-62-2	Vanadium	22.6			P
7440-66-6	Zinc	438			P
5955-70-0	Cyanide	0.28	U		C

olor Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

omments:
SH098-0A140-P01S01

FORM I - IN ILM04.0

021

100053

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P03S02

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 0.900 (g/mL) G Lab File ID: x092120

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: not dec. 10 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.56

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	62	U
74-83-9	Bromomethane	62	U
75-01-4	Vinyl Chloride	62	U
75-00-3	Chloroethane	62	U
75-09-2	Methylene Chloride	31	BJ
67-64-1	Acetone	150	B
75-15-0	Carbon Disulfide	62	U
75-35-4	1,1-Dichloroethene	62	U
75-34-3	1,1-Dichloroethane	62	U
540-59-0	1,2-Dichloroethene (total)	62	U
67-66-3	Chloroform	62	U
107-06-2	1,2-Dichloroethane	62	U
78-93-3	2-Butanone	47	BJ
71-55-6	1,1,1-Trichloroethane	62	U
56-23-5	Carbon Tetrachloride	62	U
75-27-4	Bromodichloromethane	62	U
78-87-5	1,2-Dichloropropane	62	U
10061-01-5	cis-1,3-Dichloropropene	62	U
79-01-6	Trichloroethene	62	U
124-48-1	Dibromochloromethane	62	U
79-00-5	1,1,2-Trichloroethane	62	U
71-43-2	Benzene	62	U
10061-02-6	Trans-1,3-Dichloropropene	62	U
75-25-2	Bromoform	62	U
108-10-1	4-Methyl-2-pentanone	9	J
591-78-6	2-Hexanone	62	U
127-18-4	Tetrachloroethene	62	U
79-34-5	1,1,2,2-Tetrachloroethane	62	U
108-88-3	Toluene	38	J
108-90-7	Chlorobenzene	62	U
100-41-4	Ethylbenzene	220	
100-42-5	Styrene	62	U
1330-20-7	Xylene (total)	1700	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P03S02

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 0.900 (g/mL) G Lab File ID: x092120

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: not dec. 10 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.56

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-ALKYLBENZENE	21.518	80	J
2.	C3-ALKYLBENZENE	22.118	100	J
3.	ALKANE	22.207	300	J
4.	C3-ALKYLBENZENE	22.463	100	J
5.	C3-ALKYLBENZENE	22.660	200	J
6.	TERPENE	22.965	200	J
7.	UNKNOWN	23.398	60	J
8.	C4-ALKYLBENZENE	23.821	80	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P03S02

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102507

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) _ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
111-91-1	bis(2-Chloroethoxy)methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	1500	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1500	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P03S02

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102507

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	1500	U
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1500	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	1500	U
120-12-7	Anthracene	1500	U
86-74-8	Carbazole	1500	U
84-74-2	Di-n-butylphthalate	100	JB
206-44-0	Fluoranthene	1500	U
129-00-0	Pyrene	1500	U
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	1500	U
218-01-9	Chrysene	1500	U
117-81-7	bis(2-Ethylhexyl)phthalate	900	J
117-84-0	Di-n-octyl phthalate	1500	U
205-99-2	Benzo(b)fluoranthene	1500	U
207-08-9	Benzo(k)fluoranthene	1500	U
50-32-8	Benzo(a)pyrene	1500	U
193-39-5	Indeno(1,2,3-cd)pyrene	1500	U
53-70-3	Dibenz(a,h)anthracene	1500	U
191-24-2	Benzo(g,h,i)perylene	1500	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SH098-0A140-P03S02

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102507

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 32 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.72	5000	J
2.	UNKNOWN	10.32	1000	J
3.	UNKNOWN	13.43	5000	J
4.	UNKNOWN	14.84	8000	J
5.	DICHLOROBIPHENYL	19.39	3000	J
6.	DICHLOROBIPHENYL	19.52	7000	J
7.	TRICHLOROBIPHENYL	19.90	2000	J
8.	TRICHLOROBIPHENYL	20.23	10000	J
9.	TRICHLOROBIPHENYL	20.27	8000	J
10.	TRICHLOROBIPHENYL	20.55	10000	J
11.	TRICHLOROBIPHENYL	20.77	2000	J
12.	TRICHLOROBIPHENYL	20.90	10000	J
13.	TRICHLOROBIPHENYL	20.93	10000	J
14.	TRICHLOROBIPHENYL	21.07	9000	J
15.	TRICHLOROBIPHENYL	21.18	5000	J
16.	TETRACHLOROBIPHENYL	21.27	2000	J
17.	TETRACHLOROBIPHENYL	21.37	6000	J
18.	TETRACHLOROBIPHENYL	21.44	5000	J
19.	TETRACHLOROBIPHENYL	21.50	4000	J
20.	TETRACHLOROBIPHENYL	21.67	6000	J
21.	TRICHLOROBIPHENYL	21.73	5000	J
22.	TETRACHLOROBIPHENYL	21.83	7000	J
23.	TETRACHLOROBIPHENYL	21.96	2000	J
24.	TETRACHLOROBIPHENYL	22.09	4000	J
25.	TETRACHLOROBIPHENYL	22.13	7000	J
26.	TETRACHLOROBIPHENYL	22.19	7000	J
27.	ALKANE	22.33	2000	J
28.	TETRACHLOROBIPHENYL	22.41	6000	J
29.	PENTACHLOROBIPHENYL	22.93	4000	J
30.	PENTACHLOROBIPHENYL	23.25	3000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P03S02

Lab Name: Recra LabNet Contract: 01667500001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102507

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) Y pH: 7.0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

Number TICs found: 32

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
31.	ALKANE	24.84	2000	J
32.	ALKANE	25.71	3000	J

FORM 1 SV-TIC RFW (v3.3)

1D

CLIENT SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P03S02

Lab Name: Recra LabNet Work Order: 01667-600-001-9999-00

Client: NYSDEC

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 09249835.32

% Moisture: 10 decanted: (Y/N) N Date Received: 09/11/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/16/98

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 09/25/98

Injection Volume: 0.5 (uL) Dilution Factor: 5000

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
319-84-6	Alpha-BHC	9300	U
319-85-7	Beta-BHC	9300	U
319-86-8	Delta-BHC	9300	U
58-89-9	gamma-BHC (Lindane)	9300	U
76-44-8	Heptachlor	9300	U
309-00-2	Aldrin	9300	U
1024-57-3	Heptachlor epoxide	9300	U
959-98-8	Endosulfan I	9300	U
60-57-1	Dieldrin	19000	U
72-55-9	4,4'-DDE	19000	U
72-20-8	Endrin	19000	U
33213-65-9	Endosulfan II	19000	U
72-54-8	4,4'-DDD	19000	U
1031-07-8	Endosulfan sulfate	19000	U
50-29-3	4,4'-DDT	19000	U
72-43-5	Methoxychlor	93000	U
53494-70-5	Endrin ketone	19000	U
7421-93-4	Endrin aldehyde	19000	U
5103-71-9	alpha-Chlordane	9300	U
5103-74-2	gamma-Chlordane	9300	U
8001-35-2	Toxaphene	930000	U
12674-11-2	Aroclor-1016	190000	U
11104-28-2	Aroclor-1221	370000	U
11141-16-5	Aroclor-1232	190000	U
53469-21-9	Aroclor-1242	290000	
12672-29-6	Aroclor-1248	190000	U
11097-69-1	Aroclor-1254	190000	U
11096-82-5	Aroclor-1260	190000	U

FORM 1 ORG V4.3 10-01-98

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P03S02

ab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA_ Case No.: KONSEL SAS No.: _____ SDG No.: P01S01

atrix (soil/water): SOIL_ Lab Sample ID: 9809L659-002

Level (low/med): LOW__ Date Received: 09/11/98

Solids: _90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	7230	_		P_
7440-36-0	Antimony_	0.73	U		P_
7440-38-2	Arsenic__	7.4			P_
7440-39-3	Barium___	38.0	B		P_
7440-41-7	Beryllium	0.34	B		P_
7440-43-9	Cadmium__	0.67	B		P_
7440-70-2	Calcium__	44200	_		P_
7440-47-3	Chromium_	9.3	_		P_
7440-48-4	Cobalt___	11.3	_		P_
7440-50-8	Copper___	34.2	_		P_
7439-89-6	Iron____	22800	_		P_
7439-92-1	Lead____	106	_		P_
7439-95-4	Magnesium	13900	_		P_
7439-96-5	Manganese	803	_		P_
7439-97-6	Mercury__	0.05	U		AV
7440-02-0	Nickel___	23.2			P_
7440-09-7	Potassium	831	B		P_
7782-49-2	Selenium_	0.77	B		P_
7440-22-4	Silver___	0.20	U		P_
7440-23-5	Sodium___	91.7	B		P_
7440-28-0	Thallium_	1.3	B		P_
7440-62-2	Vanadium_	9.9	B		P_
7440-66-6	Zinc____	126			P_
5955-70-0	Cyanide__	0.28	U		C_

olor Before: _____ Clarity Before: _____ Texture: _____

olor After: _____ Clarity After: _____ Artifacts: _____

omments:
SH098-0A140-P03S02

FORM I - IN ILM04.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH098-0A140-P02S03

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 0.800 (g/mL) G Lab File ID: x092017

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: not dec. 6 Date Analyzed: 09/20/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 6.25

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	66	U
74-83-9	Bromomethane	66	U
75-01-4	Vinyl Chloride	66	U
75-00-3	Chloroethane	66	U
75-09-2	Methylene Chloride	23	JB
67-64-1	Acetone	76	B
75-15-0	Carbon Disulfide	66	U
75-35-4	1,1-Dichloroethene	66	U
75-34-3	1,1-Dichloroethane	66	U
540-59-0	1,2-Dichloroethene (total)	66	U
67-66-3	Chloroform	66	U
107-06-2	1,2-Dichloroethane	66	U
78-93-3	2-Butanone	37	JB
71-55-6	1,1,1-Trichloroethane	66	U
56-23-5	Carbon Tetrachloride	66	U
75-27-4	Bromodichloromethane	66	U
78-87-5	1,2-Dichloropropane	66	U
10061-01-5	cis-1,3-Dichloropropene	66	U
79-01-6	Trichloroethene	66	U
124-48-1	Dibromochloromethane	66	U
79-00-5	1,1,2-Trichloroethane	66	U
71-43-2	Benzene	66	U
10061-02-6	Trans-1,3-Dichloropropene	66	U
75-25-2	Bromoform	66	U
108-10-1	4-Methyl-2-pentanone	66	U
591-78-6	2-Hexanone	66	U
127-18-4	Tetrachloroethene	66	U
79-34-5	1,1,2,2-Tetrachloroethane	66	U
108-88-3	Toluene	14	J
108-90-7	Chlorobenzene	66	U
100-41-4	Ethylbenzene	85	
100-42-5	Styrene	66	U
1330-20-7	Xylene (total)	1500	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.: SH098-0A140-P02S03

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 0.800 (g/mL) G Lab File ID: x092017

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: not dec. 6 Date Analyzed: 09/20/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 6.25

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-ALKYLBENZENE	22.133	300	J
2.	ALKANE	22.212	600	J
3.	C3-ALKYLBENZENE	22.665	400	J
4.	UNKNOWN	22.950	500	J
5.	C4-ALKYLBENZENE	23.019	400	J
6.	C3-ALKYLBENZENE	23.167	400	J
7.	C3-ALKYLBENZENE	23.462	200	J
8.	ALKANE	23.580	300	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LAB NO.

SH098-0A140-P02S03

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102513

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 6 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7100	U
111-44-4	bis(2-Chloroethyl)ether	7100	U
95-57-8	2-Chlorophenol	7100	U
541-73-1	1,3-Dichlorobenzene	7100	U
106-46-7	1,4-Dichlorobenzene	7100	U
95-50-1	1,2-Dichlorobenzene	7100	U
95-48-7	2-Methylphenol	7100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7100	U
106-44-5	4-Methylphenol	7100	U
621-64-7	N-Nitroso-di-n-propylamine	7100	U
67-72-1	Hexachloroethane	7100	U
98-95-3	Nitrobenzene	7100	U
78-59-1	Isophorone	7100	U
88-75-5	2-Nitrophenol	7100	U
105-67-9	2,4-Dimethylphenol	7100	U
111-91-1	bis(2-Chloroethoxy)methane	7100	U
120-83-2	2,4-Dichlorophenol	7100	U
120-82-1	1,2,4-Trichlorobenzene	7100	U
91-20-3	Naphthalene	7100	U
106-47-8	4-Chloroaniline	7100	U
87-68-3	Hexachlorobutadiene	7100	U
59-50-7	4-Chloro-3-methylphenol	7100	U
91-57-6	2-Methylnaphthalene	7100	U
77-47-4	Hexachlorocyclopentadiene	7100	U
88-06-2	2,4,6-Trichlorophenol	7100	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	7100	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	7100	U
208-96-8	Acenaphthylene	7100	U
606-20-2	2,6-Dinitrotoluene	7100	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	7100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P02S03

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102513

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 6 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	7100	U
121-14-2	2,4-Dinitrotoluene	7100	U
84-66-2	Diethylphthalate	7100	U
7005-72-3	4-Chlorophenyl-phenylether	7100	U
86-73-7	Fluorene	7100	U
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-Nitrosodiphenylamine (1)	7100	U
101-55-3	4-Bromophenyl-phenylether	7100	U
118-74-1	Hexachlorobenzene	7100	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	7100	U
120-12-7	Anthracene	7100	U
86-74-8	Carbazole	7100	U
84-74-2	Di-n-butylphthalate	430	JB
206-44-0	Fluoranthene	7100	U
129-00-0	Pyrene	7100	U
85-68-7	Butylbenzylphthalate	730	J
91-94-1	3,3'-Dichlorobenzidine	7100	U
56-55-3	Benzo(a)anthracene	7100	U
218-01-9	Chrysene	7100	U
117-81-7	bis(2-Ethylhexyl)phthalate	31000	
117-84-0	Di-n-octyl phthalate	7100	U
205-99-2	Benzo(b)fluoranthene	7100	U
207-08-9	Benzo(k)fluoranthene	7100	U
50-32-8	Benzo(a)pyrene	7100	U
193-39-5	Indeno(1,2,3-cd)pyrene	7100	U
53-70-3	Dibenz(a,h)anthracene	7100	U
191-24-2	Benzo(g,h,i)perylene	7100	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 RFW (v3.3)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P02S03

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102513

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 6 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 33 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALKANE	16.17	1000	J
2.	ALKANE	16.65	2000	J
3.	DICHLOROBIPHENYL	18.72	9000	J
4.	ALKANE	18.96	4000	J
5.	DICHLOROBIPHENYL	19.18	2000	J
6.	DICHLOROBIPHENYL	19.39	4000	J
7.	DICHLOROBIPHENYL	19.51	20000	J
8.	TRICHLOROBIPHENYL	19.89	2000	J
9.	TRICHLOROBIPHENYL	20.22	20000	J
10.	TRICHLOROBIPHENYL	20.27	10000	J
11.	TRICHLOROBIPHENYL	20.39	2000	J
12.	TRICHLOROBIPHENYL	20.54	10000	J
13.	TRICHLOROBIPHENYL	20.76	3000	J
14.	TRICHLOROBIPHENYL	20.81	1000	J
15.	TRICHLOROBIPHENYL	20.89	20000	J
16.	TRICHLOROBIPHENYL	20.92	20000	J
17.	TRICHLOROBIPHENYL	21.07	10000	J
18.	TETRACHLOROBIPHENYL	21.26	2000	J
19.	TETRACHLOROBIPHENYL	21.36	9000	J
20.	TETRACHLOROBIPHENYL	21.43	6000	J
21.	TETRACHLOROBIPHENYL	21.50	5000	J
22.	TETRACHLOROBIPHENYL	21.66	8000	J
23.	TRICHLOROBIPHENYL	21.72	7000	J
24.	TETRACHLOROBIPHENYL	21.82	8000	J
25.	TETRACHLOROBIPHENYL	21.95	2000	J
26.	TETRACHLOROBIPHENYL	22.09	4000	J
27.	TETRACHLOROBIPHENYL	22.12	9000	J
28.	TETRACHLOROBIPHENYL	22.18	9000	J
29.	PENTACHLOROBIPHENYL	22.51	2000	J
30.	PENTACHLOROBIPHENYL	22.93	5000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P02S03

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102513

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 6 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 33 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
31.	PENTACHLOROBIPHENYL	23.25	3000	J
32.	PENTACHLOROBIPHENYL	23.68	2000	J
33.	UNKNOWN	23.95	2000	J

FORM 1 SV-TIC RFW (v3.3)

ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P02S03

Lab Name: Recra.LabNet Work Order: 01667-600-001-9999-00

Client: NYSDEC

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 09249835.25

% Moisture: 5 decanted: (Y/N) N Date Received: 09/11/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/16/98

Concentrated Extract Volume: 2000(uL) Date Analyzed: 09/25/98

Injection Volume: 0.5(uL) Dilution Factor: 2000

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
319-84-6	Alpha-BHC	3500	U
319-85-7	Beta-BHC	3500	U
319-86-8	Delta-BHC	3500	U
58-89-9	gamma-BHC (Lindane)	3500	U
76-44-8	Heptachlor	3500	U
309-00-2	Aldrin	4700	IP
1024-57-3	Heptachlor epoxide	3500	U
959-98-8	Endosulfan I	3500	U
60-57-1	Dieldrin	7100	U
72-55-9	4,4'-DDE	7100	U
72-20-8	Endrin	7100	U
33213-65-9	Endosulfan II	7100	U
72-54-8	4,4'-DDD	7100	U
1031-07-8	Endosulfan sulfate	7100	U
50-29-3	4,4'-DDT	7100	U
72-43-5	Methoxychlor	35000	U
53494-70-5	Endrin ketone	7100	U
7421-93-4	Endrin aldehyde	7100	U
5103-71-9	alpha-Chlordane	3500	U
5103-74-2	gamma-Chlordane	3500	U
8001-35-2	Toxaphene	350000	U
12674-11-2	Aroclor-1016	71000	U
11104-28-2	Aroclor-1221	140000	U
11141-16-5	Aroclor-1232	71000	U
53469-21-9	Aroclor-1242	200000	
12672-29-6	Aroclor-1248	71000	U
11097-69-1	Aroclor-1254	71000	U
11096-82-5	Aroclor-1260	71000	U

FORM 1 ORG V4.3 10-01-98

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P02S03

Lab Name: RECRA_LABNET Contract: 01667-6

L Code: RECRA_ Case No.: KONSEL SAS No.: SDG No.: P01S01

Matrix (soil/water): SOIL Lab Sample ID: 9809L659-003

Level (low/med): LOW Date Received: 09/11/98

% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7020			P
7440-36-0	Antimony	1.6	B		P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	28.2	B		P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.75	B		P
7440-70-2	Calcium	39200			P
7440-47-3	Chromium	9.4			P
7440-48-4	Cobalt	17.0			P
7440-50-8	Copper	38.3			P
7439-89-6	Iron	22600			P
7439-92-1	Lead	27.4			P
7439-95-4	Magnesium	18800			P
7439-96-5	Manganese	691			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	34.5			P
7440-09-7	Potassium	720	B		P
7782-49-2	Selenium	0.71	U		P
7440-22-4	Silver	0.20	U		P
7440-23-5	Sodium	62.0	B		P
7440-28-0	Thallium	1.2	B		P
7440-62-2	Vanadium	9.9			P
7440-66-6	Zinc	55.4			P
5955-70-0	Cyanide	0.27	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P02S03

FORM I - IN ILM04.0

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P02S04

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: x092121

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: not dec. 9 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	120	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	18	B
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	1	J
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	130	
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	28	
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	190	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P02S04

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: x092121

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: not dec. 9 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.971	40	J
2.	C3-ALKYLBENZENE	22.109	30	J
3.	C3-ALKYLBENZENE	22.207	50	J
4.	C3-ALKYLBENZENE	22.453	30	J
5.	C3-ALKYLBENZENE	22.650	60	J
6.	TERPENE	22.965	40	J
7.	C4-ALKYLBENZENE	23.457	50	J
8.	C4-ALKYLBENZENE	23.812	20	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P02S04

Lab Name: Recra.LabNet Contract: 01657600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E1025I0

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 9 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	40	J
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P02S04

Lab Name: Recra.LabNet Contract: 01567500001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102510

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 9 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	28	JB
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	96	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P02S04

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102510

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 9 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.65	200	J
2.	ALDOL CONDENSATE	8.23	90	JA
3.	ALDOL CONDENSATE	9.02	200	JA
4.	ALDOL CONDENSATE	9.47	100	JA
5.	UNKNOWN	9.67	100	J
6.	UNKNOWN	11.89	70	J
7.	UNKNOWN	18.07	400	JB
8.	PHTHALATE	20.57	1000	JB
9.	ADIPATE	23.53	100	JB

1D

ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SH098-0A14C-P02S04

Lab Name: Recra.LabNet Work Order: 01667-600-001-9999-00

Client: NYSDEC

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 09249835.26

% Moisture: 8 decanted: (Y/N) N Date Received: 09/11/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/16/98

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 09/25/98

Injection Volume: 0.5 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
319-84-6	Alpha-BHC	37	U
319-85-7	Beta-BHC	37	U
319-86-8	Delta-BHC	37	U
58-89-9	gamma-BHC (Lindane)	37	U
76-44-8	Heptachlor	37	U
309-00-2	Aldrin	58	IP
1024-57-3	Heptachlor epoxide	37	U
959-98-8	Endosulfan I	37	U
60-57-1	Dieldrin	73	U
72-55-9	4,4'-DDE	73	U
72-20-8	Endrin	73	U
33213-65-9	Endosulfan II	73	U
72-54-8	4,4'-DDD	73	U
1031-07-8	Endosulfan sulfate	73	U
50-29-3	4,4'-DDT	73	U
72-43-5	Methoxychlor	370	U
53494-70-5	Endrin ketone	73	U
7421-93-4	Endrin aldehyde	73	U
5103-71-9	alpha-Chlordane	37	U
5103-74-2	gamma-Chlordane	37	U
8001-35-2	Toxaphene	3700	U
12674-11-2	Aroclor-1016	730	U
11104-28-2	Aroclor-1221	1500	U
11141-16-5	Aroclor-1232	730	U
53469-21-9	Aroclor-1242	2400	
12672-29-6	Aroclor-1248	730	U
11097-69-1	Aroclor-1254	730	U
11096-82-5	Aroclor-1260	730	U

FORM 1 ORG V4.3 10-01-98

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P02S04

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA Case No.: KONSEL SAS No.: SDG No.: P01S01

Matrix (soil/water): SOIL Lab Sample ID: 9809L659-004

Level (low/med): LOW Date Received: 09/11/98

% Solids: 91.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10600			P
7440-36-0	Antimony	1.5	B		P
7440-38-2	Arsenic	7.7			P
7440-39-3	Barium	33.7	B		P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.59	B		P
7440-70-2	Calcium	14400			P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	31.6			P
7439-89-6	Iron	27200			P
7439-92-1	Lead	17.2			P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese	577			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	28.9			P
7440-09-7	Potassium	959	B		P
7782-49-2	Selenium	0.72	U		P
7440-22-4	Silver	0.20	U		P
7440-23-5	Sodium	72.9	B		P
7440-28-0	Thallium	1.5	B		P
7440-62-2	Vanadium	12.4			P
7440-66-6	Zinc	70.0			P
5955-70-0	Cyanide	0.27	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P02S04

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S05

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-005

Sample wt/vol: 4.30 (g/mL) G Lab File ID: X092116

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 10 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 9.30

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13000	U
74-83-9	Bromomethane	13000	U
75-01-4	Vinyl Chloride	13000	U
75-00-3	Chloroethane	13000	U
75-09-2	Methylene Chloride	6000	BJ
67-64-1	Acetone	5500	BJ
75-15-0	Carbon Disulfide	13000	U
75-35-4	1,1-Dichloroethene	13000	U
75-34-3	1,1-Dichloroethane	13000	U
540-59-0	1,2-Dichloroethene (total)	13000	U
67-66-3	Chloroform	13000	U
107-06-2	1,2-Dichloroethane	13000	U
78-93-3	2-Butanone	4500	BJ
71-55-6	1,1,1-Trichloroethane	13000	U
56-23-5	Carbon Tetrachloride	13000	U
75-27-4	Bromodichloromethane	13000	U
78-87-5	1,2-Dichloropropane	13000	U
10061-01-5	cis-1,3-Dichloropropene	13000	U
79-01-6	Trichloroethene	3400	J
124-48-1	Dibromochloromethane	13000	U
79-00-5	1,1,2-Trichloroethane	13000	U
71-43-2	Benzene	13000	U
10061-02-6	Trans-1,3-Dichloropropene	13000	U
75-25-2	Bromoform	13000	U
108-10-1	4-Methyl-2-pentanone	13000	U
591-78-6	2-Hexanone	13000	U
127-18-4	Tetrachloroethene	12000	
79-34-5	1,1,2,2-Tetrachloroethane	13000	U
108-88-3	Toluene	200000	
108-90-7	Chlorobenzene	13000	U
100-41-4	Ethylbenzene	110000	
100-42-5	Styrene	13000	U
1330-20-7	Xylene (total)	550000	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P01S05

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-005

Sample wt/vol: 4.30 (g/mL) G Lab File ID: x092116

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 10 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 9.30

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALKANE	12.671	10000	J
2.	ALKANE	19.945	10000	J
3.	UNKNOWN	21.364	10000	J
4.	UNKNOWN	21.561	10000	J
5.	UNKNOWN	22.191	40000	J
6.	C3-ALKYLBENZENE	22.644	10000	J
7.	CYCLOALKANE	22.920	10000	J
8.	ALKANE	23.560	10000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S05

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9309L659-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102611

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	18000	U
111-44-4	bis(2-Chloroethyl)ether	18000	U
95-57-8	2-Chlorophenol	18000	U
541-73-1	1,3-Dichlorobenzene	18000	U
106-46-7	1,4-Dichlorobenzene	18000	U
95-50-1	1,2-Dichlorobenzene	18000	U
95-48-7	2-Methylphenol	18000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	18000	U
106-44-5	4-Methylphenol	18000	U
621-64-7	N-Nitroso-di-n-propylamine	18000	U
67-72-1	Hexachloroethane	18000	U
98-95-3	Nitrobenzene	18000	U
78-59-1	Isophorone	18000	U
88-75-5	2-Nitrophenol	18000	U
105-67-9	2,4-Dimethylphenol	18000	U
111-91-1	bis(2-Chloroethoxy)methane	18000	U
120-83-2	2,4-Dichlorophenol	18000	U
120-82-1	1,2,4-Trichlorobenzene	18000	U
91-20-3	Naphthalene	2200	J
106-47-8	4-Chloroaniline	18000	U
87-68-3	Hexachlorobutadiene	18000	U
59-50-7	4-Chloro-3-methylphenol	18000	U
91-57-6	2-Methylnaphthalene	18000	U
77-47-4	Hexachlorocyclopentadiene	18000	U
88-06-2	2,4,6-Trichlorophenol	18000	U
95-95-4	2,4,5-Trichlorophenol	46000	U
91-58-7	2-Chloronaphthalene	18000	U
88-74-4	2-Nitroaniline	46000	U
131-11-3	Dimethylphthalate	18000	U
208-96-8	Acenaphthylene	18000	U
606-20-2	2,6-Dinitrotoluene	18000	U
99-09-2	3-Nitroaniline	46000	U
83-32-9	Acenaphthene	18000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S05

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102611

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	46000	U
100-02-7	4-Nitrophenol	46000	U
132-64-9	Dibenzofuran	18000	U
121-14-2	2,4-Dinitrotoluene	18000	U
84-66-2	Diethylphthalate	18000	U
7005-72-3	4-Chlorophenyl-phenylether	18000	U
86-73-7	Fluorene	18000	U
100-01-6	4-Nitroaniline	46000	U
534-52-1	4,6-Dinitro-2-methylphenol	46000	U
86-30-6	N-Nitrosodiphenylamine (1)	18000	U
101-55-3	4-Bromophenyl-phenylether	18000	U
118-74-1	Hexachlorobenzene	18000	U
87-86-5	Pentachlorophenol	46000	U
85-01-8	Phenanthrene	1500	J
120-12-7	Anthracene	18000	U
86-74-8	Carbazole	18000	U
84-74-2	Di-n-butylphthalate	8500	JB
206-44-0	Fluoranthene	18000	U
129-00-0	Pyrene	18000	U
85-68-7	Butylbenzylphthalate	18000	U
91-94-1	3,3'-Dichlorobenzidine	18000	U
56-55-3	Benzo(a)anthracene	18000	U
218-01-9	Chrysene	18000	U
117-81-7	bis(2-Ethylhexyl)phthalate	88000	
117-84-0	Di-n-octyl phthalate	18000	U
205-99-2	Benzo(b)fluoranthene	18000	U
207-08-9	Benzo(k)fluoranthene	18000	U
50-32-8	Benzo(a)pyrene	18000	U
193-39-5	Indeno(1,2,3-cd)pyrene	18000	U
53-70-3	Dibenz(a,h)anthracene	18000	U
191-24-2	Benzo(g,h,i)perylene	18000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH093-0A140-P01S05

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102611

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 36 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C2 ALKYLBENZENE	6.59	10000	J
2.	C2 ALKYLBENZENE	7.29	30000	J
3.	ALKANE	10.87	20000	J
4.	ALKANE	12.46	7000	J
5.	ALKANE	13.96	7000	J
6.	ALKANE	16.64	9000	J
7.	DICHLOROBIPHENYL	18.72	30000	J
8.	ALKANE	18.97	20000	J
9.	DICHLOROBIPHENYL	19.19	7000	J
10.	DICHLOROBIPHENYL	19.40	10000	J
11.	DICHLOROBIPHENYL	19.52	60000	J
12.	ALKANE	19.84	8000	J
13.	TRICHLOROBIPHENYL	19.90	8000	J
14.	TRICHLOROBIPHENYL	20.22	60000	J
15.	TRICHLOROBIPHENYL	20.27	30000	J
16.	TETRACHLOROBIPHENYL	20.28	30000	J
17.	TRICHLOROBIPHENYL	20.55	50000	J
18.	TRICHLOROBIPHENYL	20.77	10000	J
19.	TRICHLOROBIPHENYL	20.90	50000	J
20.	TRICHLOROBIPHENYL	20.93	60000	J
21.	TRICHLOROBIPHENYL	21.07	40000	J
22.	TETRACHLOROBIPHENYL	21.27	7000	J
23.	TETRACHLOROBIPHENYL	21.37	30000	J
24.	TETRACHLOROBIPHENYL	21.43	20000	J
25.	TETRACHLOROBIPHENYL	21.50	20000	J
26.	TETRACHLOROBIPHENYL	21.67	30000	J
27.	TRICHLOROBIPHENYL	21.73	20000	J
28.	TETRACHLOROBIPHENYL	21.83	30000	J
29.	TETRACHLOROBIPHENYL	21.96	7000	J
30.	TETRACHLOROBIPHENYL	22.10	10000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P01S05

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102611

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 36

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
31.	TETRACHLOROBIPHENYL	22.13	20000	J
32.	TETRACHLOROBIPHENYL	22.19	30000	J
33.	PENTACHLOROBIPHENYL	22.52	7000	J
34.	PHTHALATE	22.87	10000	J
35.	PENTACHLOROBIPHENYL	22.93	10000	J
36.	UNKNOWN	23.95	30000	J

FORM 1 SV-TIC RFW (v3.3)

ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S05

Lab Name: Recra LabNet Work Order: 01667-600-001-9999-00

Client: NYSDEC

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 09249835.27

% Moisture: 10 decanted: (Y/N) N Date Received: 09/11/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/16/98

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 09/25/98

Injection Volume: 0.5 (uL) Dilution Factor: 5000

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
319-84-6	Alpha-BHC	9300	U
319-85-7	Beta-BHC	9300	U
319-86-8	Delta-BHC	9300	U
58-89-9	gamma-BHC (Lindane)	9300	U
76-44-8	Heptachlor	9300	U
309-00-2	Aldrin	12000	IP
1024-57-3	Heptachlor epoxide	9300	U
959-98-8	Endosulfan I	9300	U
60-57-1	Dieldrin	19000	U
72-55-9	4,4'-DDE	19000	U
72-20-8	Endrin	19000	U
33213-65-9	Endosulfan II	19000	U
72-54-8	4,4'-DDD	19000	U
1031-07-8	Endosulfan sulfate	19000	U
50-29-3	4,4'-DDT	19000	U
72-43-5	Methoxychlor	93000	U
53494-70-5	Endrin ketone	19000	U
7421-93-4	Endrin aldehyde	19000	U
5103-71-9	alpha-Chlordane	9300	U
5103-74-2	gamma-Chlordane	9300	U
8001-35-2	Toxaphene	930000	U
12674-11-2	Aroclor-1016	190000	U
11104-28-2	Aroclor-1221	370000	U
11141-16-5	Aroclor-1232	190000	U
53469-21-9	Aroclor-1242	530000	
12672-29-6	Aroclor-1248	190000	U
11097-69-1	Aroclor-1254	190000	U
11096-82-5	Aroclor-1260	190000	U

FORM 1 ORG V4.3

10-01-98

C48

100083

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P01S05

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA_ Case No.: KONSEL SAS No.: SDG No.: P01S01

Matrix (soil/water): SOIL_ Lab Sample ID: 9809L659-005

Level (low/med): LOW Date Received: 09/11/98

% Solids: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400			P
7440-36-0	Antimony	13.8			P
7440-38-2	Arsenic	8.5			P
7440-39-3	Barium	53.3			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	14100			P
7440-47-3	Chromium	18.5			P
7440-48-4	Cobalt	29.0			P
7440-50-8	Copper	55.6			P
7439-89-6	Iron	30500			P
7439-92-1	Lead	101			P
7439-95-4	Magnesium	11100			P
7439-96-5	Manganese	632			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	57.1			P
7440-09-7	Potassium	900	B		P
7782-49-2	Selenium	0.75	U		P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	60.1	B		P
7440-28-0	Thallium	0.91	U		P
7440-62-2	Vanadium	12.6			P
7440-66-6	Zinc	83.4			P
5955-70-0	Cyanide	0.28	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P01S05

FORM I - IN ILM04.0

022

100084

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P01S06

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-006

Sample wt/vol: 3.40 (g/mL) G Lab File ID: x092117

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 10 Date Analyzed: 09/21/98

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 11.8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	7000	J
74-83-9	Bromomethane	16000	U
75-01-4	Vinyl Chloride	16000	U
75-00-3	Chloroethane	16000	U
75-09-2	Methylene Chloride	6500	BJ
67-64-1	Acetone	7500	BJ
75-15-0	Carbon Disulfide	16000	U
75-35-4	1,1-Dichloroethene	16000	U
75-34-3	1,1-Dichloroethane	16000	U
540-59-0	1,2-Dichloroethene (total)	16000	U
67-66-3	Chloroform	16000	U
107-06-2	1,2-Dichloroethane	16000	U
78-93-3	2-Butanone	6500	BJ
71-55-6	1,1,1-Trichloroethane	16000	U
56-23-5	Carbon Tetrachloride	16000	U
75-27-4	Bromodichloromethane	16000	U
78-87-5	1,2-Dichloropropane	16000	U
10061-01-5	cis-1,3-Dichloropropene	16000	U
79-01-6	Trichloroethene	510	J
124-48-1	Dibromochloromethane	16000	U
79-00-5	1,1,2-Trichloroethane	16000	U
71-43-2	Benzene	16000	U
10061-02-6	Trans-1,3-Dichloropropene	16000	U
75-25-2	Bromoform	16000	U
108-10-1	4-Methyl-2-pentanone	16000	U
591-78-6	2-Hexanone	16000	U
127-18-4	Tetrachloroethene	16000	U
79-34-5	1,1,2,2-Tetrachloroethane	16000	U
108-88-3	Toluene	190000	
108-90-7	Chlorobenzene	16000	U
100-41-4	Ethylbenzene	18000	
100-42-5	Styrene	16000	U
1330-20-7	Xylene (total)	100000	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S06

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102512

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl)ether	19000	U
95-57-8	2-Chlorophenol	19000	U
541-73-1	1,3-Dichlorobenzene	19000	U
106-46-7	1,4-Dichlorobenzene	19000	U
95-50-1	1,2-Dichlorobenzene	19000	U
95-48-7	2-Methylphenol	19000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	19000	U
106-44-5	4-Methylphenol	19000	U
621-64-7	N-Nitroso-di-n-propylamine	19000	U
67-72-1	Hexachloroethane	19000	U
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	U
111-91-1	bis(2-Chloroethoxy)methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
120-82-1	1,2,4-Trichlorobenzene	19000	U
91-20-3	Naphthalene	2400	J
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
59-50-7	4-Chloro-3-methylphenol	19000	U
91-57-6	2-Methylnaphthalene	19000	U
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	46000	U
91-58-7	2-Chloronaphthalene	19000	U
88-74-4	2-Nitroaniline	46000	U
131-11-3	Dimethylphthalate	19000	U
208-96-8	Acenaphthylene	19000	U
606-20-2	2,6-Dinitrotoluene	19000	U
99-09-2	3-Nitroaniline	46000	U
83-32-9	Acenaphthene	19000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P01S06

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102512

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N)__ Date Extracted: 09/16/98

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/26/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	46000	U
100-02-7	4-Nitrophenol	46000	U
132-64-9	Dibenzofuran	19000	U
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
86-73-7	Fluorene	19000	U
100-01-6	4-Nitroaniline	46000	U
534-52-1	4,6-Dinitro-2-methylphenol	46000	U
86-30-6	N-Nitrosodiphenylamine (1)	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
87-86-5	Pentachlorophenol	46000	U
85-01-8	Phenanthrene	19000	U
120-12-7	Anthracene	19000	U
86-74-8	Carbazole	19000	U
84-74-2	Di-n-butylphthalate	19000	U
206-44-0	Fluoranthene	19000	U
129-00-0	Pyrene	19000	U
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3'-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)anthracene	19000	U
218-01-9	Chrysene	19000	U
117-81-7	bis(2-Ethylhexyl)phthalate	16000	J
117-84-0	Di-n-octyl phthalate	19000	U
205-99-2	Benzo(b)fluoranthene	19000	U
207-08-9	Benzo(k)fluoranthene	19000	U
50-32-8	Benzo(a)pyrene	19000	U
193-39-5	Indeno(1,2,3-cd)pyrene	19000	U
53-70-3	Dibenz(a,h)anthracene	19000	U
191-24-2	Benzo(g,h,i)perylene	19000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P01S06

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102512

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 34 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	XYLENE	7.28	20000	J
2.	ALKANE	18.96	20000	J
3.	DICHLOROBIPHENYL	19.18	50000	J
4.	DICHLOROBIPHENYL	19.40	90000	J
5.	DICHLOROBIPHENYL	19.52	300000	J
6.	TRICHLOROBIPHENYL	19.89	50000	J
7.	DICHLOROBIPHENYL	20.19	20000	J
8.	TRICHLOROBIPHENYL	20.24	300000	J
9.	TRICHLOROBIPHENYL	20.28	200000	J
10.	TRICHLOROBIPHENYL	20.40	30000	J
11.	TRICHLOROBIPHENYL	20.55	200000	J
12.	TRICHLOROBIPHENYL	20.77	60000	J
13.	TRICHLOROBIPHENYL	20.82	30000	J
14.	TRICHLOROBIPHENYL	20.90	300000	J
15.	TRICHLOROBIPHENYL	20.93	200000	J
16.	TRICHLOROBIPHENYL	21.07	200000	J
17.	TRICHLOROBIPHENYL	21.19	100000	J
18.	TETRACHLOROBIPHENYL	21.27	40000	J
19.	TETRACHLOROBIPHENYL	21.37	100000	J
20.	TETRACHLOROBIPHENYL	21.43	100000	J
21.	TETRACHLOROBIPHENYL	21.50	90000	J
22.	TETRACHLOROBIPHENYL	21.67	100000	J
23.	TRICHLOROBIPHENYL	21.73	100000	J
24.	TETRACHLOROBIPHENYL	21.83	100000	J
25.	TETRACHLOROBIPHENYL	21.95	40000	J
26.	TETRACHLOROBIPHENYL	22.10	70000	J
27.	TETRACHLOROBIPHENYL	22.13	100000	J
28.	TETRACHLOROBIPHENYL	22.19	100000	J
29.	TETRACHLOROBIPHENYL	22.41	100000	J
30.	PENTACHLOROBIPHENYL	22.51	20000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-OA140-P01S06

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102512

Level: (low/med) LOW Date Received: 09/11/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/16/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/26/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 34

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
31.	PENTACHLOROBIPHENYL	22.74	10000	J
32.	PENTACHLOROBIPHENYL	22.94	70000	J
33.	PENTACHLOROBIPHENYL	23.25	50000	J
34.	PENTACHLOROBIPHENYL	23.69	30000	J

FORM 1 SV-TIC RFW (v3.3)

1D

ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SH098-0A140-P01S06

Lab Name: Recra.LabNet Work Order: 01667-600-001-9999-00

Client: NYSDEC

Matrix: (soil/water) SOIL Lab Sample ID: 9809L659-006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 09249835.28

% Moisture: 10 decanted: (Y/N) N Date Received: 09/11/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/16/98

Concentrated Extract Volume: 2000(uL) Date Analyzed: 09/25/98

Injection Volume: 0.5(uL) Dilution Factor: 50000

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
319-84-6	Alpha-BHC	93000	U
319-85-7	Beta-BHC	93000	U
319-86-8	Delta-BHC	93000	U
58-89-9	gamma-BHC (Lindane)	93000	U
76-44-8	Heptachlor	93000	U
309-00-2	Aldrin	110000	IP
1024-57-3	Heptachlor epoxide	93000	U
959-98-8	Endosulfan I	93000	U
60-57-1	Dieldrin	190000	U
72-55-9	4,4'-DDE	190000	U
72-20-8	Endrin	190000	U
33213-65-9	Endosulfan II	190000	U
72-54-8	4,4'-DDD	190000	U
1031-07-8	Endosulfan sulfate	190000	U
50-29-3	4,4'-DDT	190000	U
72-43-5	Methoxychlor	930000	U
53494-70-5	Endrin ketone	190000	U
7421-93-4	Endrin aldehyde	190000	U
5103-71-9	alpha-Chlordane	93000	U
5103-74-2	gamma-Chlordane	93000	U
8001-35-2	Toxaphene	9300000	U
12674-11-2	Aroclor-1016	1900000	U
11104-28-2	Aroclor-1221	3700000	U
11141-16-5	Aroclor-1232	1900000	U
53469-21-9	Aroclor-1242	4800000	
12672-29-6	Aroclor-1248	1900000	U
11097-69-1	Aroclor-1254	1900000	U
11096-82-5	Aroclor-1260	1900000	U

FORM 1 ORG V4.3

gw 10-01-98

055

100030

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P01S06

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA_ Case No.: KONSEL SAS No.: SDG No.: P01S01

Matrix (soil/water): SOIL_ Lab Sample ID: 9809L659-006

Level (low/med): LOW Date Received: 09/11/98

Solids: 89.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9200			P
7440-36-0	Antimony	1.8	B		P
7440-38-2	Arsenic	7.9			P
7440-39-3	Barium	29.5	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.92	B		P
7440-70-2	Calcium	23600			P
7440-47-3	Chromium	10.8			P
7440-48-4	Cobalt	12.3			P
7440-50-8	Copper	41.2			P
7439-89-6	Iron	30000			P
7439-92-1	Lead	26.4			P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese	821			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	29.2			P
7440-09-7	Potassium	791	B		P
7782-49-2	Selenium	0.73	U		P
7440-22-4	Silver	0.20	U		P
7440-23-5	Sodium	73.2	B		P
7440-28-0	Thallium	0.92	B		P
7440-62-2	Vanadium	12.3			P
7440-66-6	Zinc	73.4			P
5955-70-0	Cyanide	0.28	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P01S06

FORM I - IN ILM04.0

023

100091

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-DX1S07

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E101514

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 27 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/15/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	23000	U
111-44-4	bis(2-Chloroethyl)ether	23000	U
95-57-8	2-Chlorophenol	23000	U
541-73-1	1,3-Dichlorobenzene	23000	U
106-46-7	1,4-Dichlorobenzene	23000	U
95-50-1	1,2-Dichlorobenzene	23000	U
95-48-7	2-Methylphenol	23000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	23000	U
106-44-5	4-Methylphenol	23000	U
621-64-7	N-Nitroso-di-n-propylamine	23000	U
67-72-1	Hexachloroethane	23000	U
98-95-3	Nitrobenzene	23000	U
78-59-1	Isophorone	23000	U
88-75-5	2-Nitrophenol	23000	U
105-67-9	2,4-Dimethylphenol	23000	U
111-91-1	bis(2-Chloroethoxy)methane	23000	U
120-83-2	2,4-Dichlorophenol	23000	U
120-82-1	1,2,4-Trichlorobenzene	23000	U
91-20-3	Naphthalene	23000	U
106-47-8	4-Chloroaniline	23000	U
87-68-3	Hexachlorobutadiene	23000	U
59-50-7	4-Chloro-3-methylphenol	23000	U
91-57-6	2-Methylnaphthalene	23000	U
77-47-4	Hexachlorocyclopentadiene	23000	U
88-06-2	2,4,6-Trichlorophenol	23000	U
95-95-4	2,4,5-Trichlorophenol	57000	U
91-58-7	2-Chloronaphthalene	23000	U
88-74-4	2-Nitroaniline	57000	U
131-11-3	Dimethylphthalate	23000	U
208-96-8	Acenaphthylene	23000	U
606-20-2	2,6-Dinitrotoluene	23000	U
99-09-2	3-Nitroaniline	57000	U
83-32-9	Acenaphthene	23000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-DX1S07

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E101514

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 27 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/15/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	57000	U
100-02-7	4-Nitrophenol	57000	U
132-64-9	Dibenzofuran	23000	U
121-14-2	2,4-Dinitrotoluene	23000	U
84-66-2	Diethylphthalate	23000	U
7005-72-3	4-Chlorophenyl-phenylether	23000	U
86-73-7	Fluorene	23000	U
100-01-6	4-Nitroaniline	57000	U
534-52-1	4,6-Dinitro-2-methylphenol	57000	U
86-30-6	N-Nitrosodiphenylamine (1)	23000	U
101-55-3	4-Bromophenyl-phenylether	23000	U
118-74-1	Hexachlorobenzene	23000	U
87-86-5	Pentachlorophenol	57000	U
85-01-8	Phenanthrene	23000	U
120-12-7	Anthracene	23000	U
86-74-8	Carbazole	23000	U
84-74-2	Di-n-butylphthalate	23000	U
206-44-0	Fluoranthene	23000	U
129-00-0	Pyrene	23000	U
85-68-7	Butylbenzylphthalate	23000	U
91-94-1	3,3'-Dichlorobenzidine	23000	U
56-55-3	Benzo(a)anthracene	23000	U
218-01-9	Chrysene	23000	U
117-81-7	bis(2-Ethylhexyl)phthalate	23000	U
117-84-0	Di-n-octyl phthalate	23000	U
205-99-2	Benzo(b)fluoranthene	23000	U
207-08-9	Benzo(k)fluoranthene	23000	U
50-32-8	Benzo(a)pyrene	23000	U
193-39-5	Indeno(1,2,3-cd)pyrene	23000	U
53-70-3	Dibenz(a,h)anthracene	23000	U
191-24-2	Benzo(g,h,i)perylene	23000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH093-0A140-DX1S07

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E101514

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 27 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	17 TO 29 MINUTES			
2.	UNRESOLVED HYDROCARBONS			
3.	ALKANE	13.57	80000	J
4.	ALKANE	14.96	100000	J
5.	ALKANE	16.27	200000	J
6.	ALKANE	17.51	300000	J
7.	ALKANE	18.07	100000	J
8.	UNKNOWN	18.36	100000	J
9.	ALKANE	18.65	800000	J
10.	ALKANE	18.70	200000	J
11.	UNKNOWN	18.76	90000	J
12.	UNKNOWN	18.82	70000	J
13.	UNKNOWN	18.85	90000	J
14.	UNKNOWN	18.97	90000	J
15.	UNKNOWN	19.09	80000	J
16.	UNKNOWN	19.23	70000	J
17.	UNKNOWN	19.31	70000	J
18.	CYCLOALKANE	19.37	100000	J
19.	ALKANE	19.55	200000	J
20.	ALKANE	19.63	100000	J
21.	UNKNOWN	19.72	90000	J
22.	UNKNOWN	19.75	70000	J
23.	ALKANE	20.30	200000	J
24.	UNKNOWN	20.79	600000	J
25.	UNKNOWN	21.86	200000	J
26.	UNKNOWN	21.95	200000	J
27.	UNKNOWN	32.10	200000	J
28.	UNKNOWN	34.73	100000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH093-0A140-DX1S07

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001

Sample wt/vol: 1.00 (g/mL) G Lab File ID: n092410

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 27 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	68	U
74-83-9	Bromomethane	68	U
75-01-4	Vinyl Chloride	68	U
75-00-3	Chloroethane	68	U
75-09-2	Methylene Chloride	25	BJ
67-64-1	Acetone	4200	BE
75-15-0	Carbon Disulfide	68	U
75-35-4	1,1-Dichloroethene	68	U
75-34-3	1,1-Dichloroethane	68	U
540-59-0	1,2-Dichloroethene (total)	68	U
67-66-3	Chloroform	68	U
107-06-2	1,2-Dichloroethane	68	U
78-93-3	2-Butanone	68	U
71-55-6	1,1,1-Trichloroethane	68	U
56-23-5	Carbon Tetrachloride	68	U
75-27-4	Bromodichloromethane	68	U
78-87-5	1,2-Dichloropropane	68	U
10061-01-5	cis-1,3-Dichloropropene	68	U
79-01-6	Trichloroethene	68	U
124-48-1	Dibromochloromethane	68	U
79-00-5	1,1,2-Trichloroethane	68	U
71-43-2	Benzene	68	U
10061-02-6	Trans-1,3-Dichloropropene	68	U
75-25-2	Bromoform	68	U
108-10-1	4-Methyl-2-pentanone	68	U
591-78-6	2-Hexanone	68	U
127-18-4	Tetrachloroethene	68	U
79-34-5	1,1,2,2-Tetrachloroethane	68	U
108-88-3	Toluene	68	U
108-90-7	Chlorobenzene	68	U
100-41-4	Ethylbenzene	68	U
100-42-5	Styrene	68	U
1330-20-7	Xylene (total)	68	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-DX1S07

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001

Sample wt/vol: 1.00 (g/mL) G Lab-File ID: n092410

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 27 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67630	ISOPROPYL ALCOHOL	8.438	80	NJ
2. 79209	ACETIC ACID, METHYL ESTER	8.684	90	JN
3.	ALKANE	21.451	400	J
4.	UNKNOWN	21.608	60	J
5.	UNKNOWN	21.805	40	J
6.	UNKNOWN	21.913	50	J
7.	ALKANE	21.992	100	J
8.	CYCLOALKANE	22.671	200	J
9.	UNKNOWN	22.750	100	J
10.	UNKNOWN	22.828	90	J
11.	ALKANE	22.887	100	J
12.	ALKANE	23.074	100	J
13.	ALKANE	23.615	1000	J
14.	CYCLOALKANE	23.694	80	J
15.	UNKNOWN	23.831	100	J
16.	UNKNOWN	24.018	300	J
17.	ALKANE	24.107	200	J
18.	C4-ALKYLBENZENE	24.146	80	J
19.	UNKNOWN	24.205	100	J
20.	UNKNOWN	24.343	400	J
21.	UNKNOWN	24.431	200	J
22.	CYCLOALKANE	24.559	1000	J
23.	ALKANE	25.169	1000	J
24.	ALKANE	25.386	500	J
25.	ALKANE	26.133	400	J
26.	ALKANE	26.281	400	J
27.	ALKANE	26.694	800	J
28.	ALKANE	28.356	400	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-DX1S07DL

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001 DL

Sample wt/vol: 4.00 (g/mL) G Lab File ID: n092517

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 27 Date Analyzed: 09/25/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1700	U
74-83-9	Bromomethane	1700	U
75-01-4	Vinyl Chloride	1700	U
75-00-3	Chloroethane	1700	U
75-09-2	Methylene Chloride	630	BJD
67-64-1	Acetone	4700	BD
75-15-0	Carbon Disulfide	1700	U
75-35-4	1,1-Dichloroethene	1700	U
75-34-3	1,1-Dichloroethane	1700	U
540-59-0	1,2-Dichloroethene (total)	1700	U
67-66-3	Chloroform	1700	U
107-06-2	1,2-Dichloroethane	1700	U
78-93-3	2-Butanone	1700	U
71-55-6	1,1,1-Trichloroethane	1700	U
56-23-5	Carbon Tetrachloride	1700	U
75-27-4	Bromodichloromethane	1700	U
78-87-5	1,2-Dichloropropane	1700	U
10061-01-5	cis-1,3-Dichloropropene	1700	U
79-01-6	Trichloroethene	1700	U
124-48-1	Dibromochloromethane	1700	U
79-00-5	1,1,2-Trichloroethane	1700	U
71-43-2	Benzene	1700	U
10061-02-6	Trans-1,3-Dichloropropene	1700	U
75-25-2	Bromoform	1700	U
108-10-1	4-Methyl-2-pentanone	1700	U
591-78-6	2-Hexanone	1700	U
127-18-4	Tetrachloroethene	1700	U
79-34-5	1,1,2,2-Tetrachloroethane	1700	U
108-88-3	Toluene	1700	U
108-90-7	Chlorobenzene	1700	U
100-41-4	Ethylbenzene	1700	U
100-42-5	Styrene	1700	U
1330-20-7	Xylene (total)	1700	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-DX1S07DL

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-001 DL

Sample wt/vol: 4.00 (g/mL) G Lab File ID: n092517

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 27 Date Analyzed: 09/25/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 22

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.452	1000	J
2.	CYCLOALKANE	22.662	900	J
3.	UNKNOWN	23.616	3000	J
4.	C4-ALKYLBENZENE	24.147	1000	J
5.	UNKNOWN	24.315	2000	J
6.	UNKNOWN	24.433	1000	J
7.	UNKNOWN	24.531	3000	J
8.	C4-ALKYLBENZENE	24.728	1000	J
9.	C4-ALKYLBENZENE	24.806	600	J
10.	UNKNOWN	24.856	1000	J
11.	UNKNOWN	24.944	700	J
12.	UNKNOWN	25.111	700	J
13.	ALKANE	25.170	400	J
14.	UNKNOWN	25.220	400	J
15.	C4-ALKYLBENZENE	25.426	3000	J
16.	C4-ALKYLBENZENE	25.426	3000	J
17.	C5-ALKYLBENZENE	25.947	1000	J
18.	C5-ALKYLBENZENE	26.164	2000	J
19.	UNKNOWN	26.429	2000	J
20.	UNKNOWN	27.423	1000	J
21.	UNKNOWN	28.333	1000	J
22.	UNKNOWN	28.505	1000	J

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-DX1S07

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: SOIL Lab Sample ID: 9809L694-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 10199811.29

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 27 dec. Date Extracted: 09/16/98

Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 10/21/98

GPC Cleanup: (Y/N) N pH: Dilution Factor: 100

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	450	U
319-85-7	Beta-BHC	450	U
319-86-8	Delta-BHC	450	U
58-89-9	gamma-BHC (Lindane)	450	U
76-44-8	Heptachlor	450	U
309-00-2	Aldrin	450	U
1024-57-3	Heptachlor epoxide	450	U
959-98-8	Endosulfan I	450	U
60-57-1	Dieldrin	910	U
72-55-9	4,4'-DDE	910	U
72-20-8	Endrin	910	U
33213-65-9	Endosulfan II	910	U
72-54-8	4,4'-DDD	910	U
1031-07-8	Endosulfan sulfate	910	U
50-29-3	4,4'-DDT	910	U
72-43-5	Methoxychlor	4500	U
53494-70-5	Endrin ketone	910	U
7421934	Endrin aldehyde	910	U
5103-71-9	alpha-Chlordane	450	U
5103-74-2	gamma-Chlordane	450	U
8001-35-2	Toxaphene	45000	U
12674-11-2	Aroclor-1016	9100	U
11104-28-2	Aroclor-1221	18000	U
11141-16-5	Aroclor-1232	9100	U
53469-21-9	Aroclor-1242	9100	U
12672-29-6	Aroclor-1248	9100	U
11097-69-1	Aroclor-1254	9100	U
11096-82-5	Aroclor-1260	9100	U

[illegible] 10/29/98

FORM 1 PEST 12/88 Rev.

022

100099

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DX1S07

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA_ Case No.: SH098 SAS No.: SDG No.: DX1S07

Matrix (soil/water): SOIL Lab Sample ID: 9809L694-001

Level (low/med): LOW Date Received: 09/14/98

% Solids: 73.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	0.97	U		P
7440-38-2	Arsenic	7.4			P
7440-39-3	Barium	25.7	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.52	B		P
7440-70-2	Calcium	555	B		P
7440-47-3	Chromium	19.3		*	P
7440-48-4	Cobalt	10.9	B		P
7440-50-8	Copper	29.8			P
7439-89-6	Iron	26200			P
7439-92-1	Lead	58.3		*	P
7439-95-4	Magnesium	5540			P
7439-96-5	Manganese	490		N	P
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	24.2			P
7440-09-7	Potassium	932	B		P
7782-49-2	Selenium	1.5			P
7440-22-4	Silver	0.27	U		P
7440-23-5	Sodium	65.5	B		P
7440-28-0	Thallium	1.5	B		P
7440-62-2	Vanadium	15.3			P
7440-66-6	Zinc	79.8			P
5955-70-0	Cyanide	0.73			C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-DX1S07

FORM I - IN ILM04.0

021

100100

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P05S08

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: n092406

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 5 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P05S08

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: n092406

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 5 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P05S08

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102211

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 5 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P05S08

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102211

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 5 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	2200	B
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	63	J
117-84-0	Di-n-octyl phthalate	26	J
205-99-2	Benzo(b)fluoranthene	34	J
207-08-9	Benzo(k)fluoranthene	32	J
50-32-8	Benzo(a)pyrene	30	J
193-39-5	Indeno(1,2,3-cd)pyrene	32	J
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 RFW (v3.3)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P05S03

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102211

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 5 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.66	200	JB
2.	UNKNOWN	18.09	200	JB
3.	UNKNOWN	21.02	90	J
4.	UNKNOWN	23.50	100	JB
5.	UNKNOWN	24.09	70	J

FORM 1 SV-TIC RFW (v3.3)

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-P05S08

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: SOIL Lab Sample ID: 9809L694-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 10199811.32

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 5 dec. Date Extracted: 09/16/98

Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 10/21/98

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	18	U
319-85-7	Beta-BHC	18	U
319-86-8	Delta-BHC	18	U
58-89-9	gamma-BHC (Lindane)	18	U
76-44-8	Heptachlor	18	U
309-00-2	Aldrin	18	U
1024-57-3	Heptachlor epoxide	I	
959-98-8	Endosulfan I	18	U
60-57-1	Dieldrin	35	U
72-55-9	4,4'-DDE	35	U
72-20-8	Endrin	35	U
33213-65-9	Endosulfan II	35	U
72-54-8	4,4'-DDD	35	U
1031-07-8	Endosulfan sulfate	35	U
50-29-3	4,4'-DDT	35	U
72-43-5	Methoxychlor	180	U
53494-70-5	Endrin ketone	35	U
7421934	Endrin aldehyde	35	U
5103-71-9	alpha-Chlordane	18	U
5103-74-2	gamma-Chlordane	18	U
8001-35-2	Toxaphene	1800	U
12674-11-2	Aroclor-1016	350	U
11104-28-2	Aroclor-1221	700	U
11141-16-5	Aroclor-1232	350	U
53469-21-9	Aroclor-1242	880	
12672-29-6	Aroclor-1248	350	U
11097-69-1	Aroclor-1254	350	U
11096-82-5	Aroclor-1260	350	U

Qual 10/29/98

FORM 1 PEST 12/88 Rev.

031

100106

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P05S08

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA Case No.: SH098 SAS No.: SDG No.: DX1S07

Matrix (soil/water): SOIL Lab Sample ID: 9809L694-002

Level (low/med): LOW Date Received: 09/14/98

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5950			P
7440-36-0	Antimony	0.71	U		P
7440-38-2	Arsenic	6.7			P
7440-39-3	Barium	11.4	B		P
7440-41-7	Beryllium	0.28	B		P
7440-43-9	Cadmium	0.41	B		P
7440-70-2	Calcium	44900			P
7440-47-3	Chromium	7.6		*	P
7440-48-4	Cobalt	8.5	B		P
7440-50-8	Copper	24.3			P
7439-89-6	Iron	20500			P
7439-92-1	Lead	9.6		*	P
7439-95-4	Magnesium	23600			P
7439-96-5	Manganese	743		N	P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	16.9			P
7440-09-7	Potassium	610	B		P
7782-49-2	Selenium	0.71	U		P
7440-22-4	Silver	0.20	U		P
7440-23-5	Sodium	71.1	B		P
7440-28-0	Thallium	1.1	B		P
7440-62-2	Vanadium	8.4	B		P
7440-66-6	Zinc	42.5			P
5955-70-0	Cyanide	0.26	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P05S08

FORM I - IN ILM04.0

022

100107

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P06S09

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: n092317

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 10 Date Analyzed: 09/23/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	8	BJ
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	3	J
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	1	J
100-41-4	Ethylbenzene	15	
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	9	J

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P06S09

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: n092317

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 10 Date Analyzed: 09/23/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 36 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOALKANE	17.705	7	J
2.	UNKNOWN	18.118	10	J
3.	ALKANE	18.345	6	J
4.	CYCLOALKANE	19.132	20	J
5.	UNKNOWN	19.200	10	J
6.	CYCLOALKANE	19.712	20	J
7.	UNKNOWN	20.184	20	J
8.	CYCLOALKANE	20.253	20	J
9.	ALKANE	20.489	10	J
10.	UNKNOWN	20.577	30	J
11.	ALKANE	20.676	10	J
12.	ALKANE	20.823	10	J
13.	UNKNOWN	21.040	10	J
14.	UNKNOWN	21.108	10	J
15.	UNKNOWN	21.315	10	J
16.	UNKNOWN	21.453	40	J
17.	UNKNOWN	21.571	10	J
18.	C3-ALKYLBENZENE	21.630	20	J
19.	UNKNOWN	21.738	8	J
20.	ALKANE	22.004	40	J
21.	UNKNOWN	22.564	20	J
22.	CYCLOALKANE	22.663	20	J
23.	C4-ALKYLBENZENE	22.790	20	J
24.	C3-ALKYLBENZENE	23.154	30	J
25.	C4-ALKYLBENZENE	23.577	20	J
26.	UNKNOWN	23.617	30	J
27.	C4-ALKYLBENZENE	23.882	9	J
28.	C4-ALKYLBENZENE	24.000	10	J
29.	C4-ALKYLBENZENE	24.148	10	J
30.	UNKNOWN	24.345	20	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P06S09

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: n092317

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 10 Date Analyzed: 09/23/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 36

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
31.	UNKNOWN	24.541	20	J
32.	C4-ALKYLBENZENE	24.728	10	J
33.	UNKNOWN	24.856	10	J
34.	C4-ALKYLBENZENE	25.436	10	J
35. 91203	NAPHTHALENE	26.548	20	NJ
36.	UNKNOWN	27.059	7	J

FORM 1 VOA-TIC 3/90

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P06S09

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102212

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 10 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	23	J
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	39	J
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	31	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P06S09

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102212

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 10 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	1700	B
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	300	J
117-84-0	Di-n-octyl phthalate	20	J
205-99-2	Benzo(b)fluoranthene	32	J
207-08-9	Benzo(k)fluoranthene	33	J
50-32-8	Benzo(a)pyrene	32	J
193-39-5	Indeno(1,2,3-cd)pyrene	28	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 RFW (v3.3)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P06S09

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102212

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 10 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 22

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ORGANIC ACID	8.55	300	J
2.	ALKANE	18.98	400	J
3.	DICHLOROBIPHENYL	19.53	300	J
4.	TRICHLOROBIPHENYL	20.28	400	J
5.	TRICHLOROBIPHENYL	20.55	400	J
6.	TRICHLOROBIPHENYL	20.91	300	J
7.	TRICHLOROBIPHENYL	20.94	700	J
8.	ORGANIC ACID	21.03	400	J
9.	UNKNOWN	21.87	600	J
10.	UNKNOWN	21.99	600	J
11.	TETRACHLOROBIPHENYL	22.10	300	J
12.	TETRACHLOROBIPHENYL	22.20	300	J
13.	UNKNOWN	22.34	2000	J
14.	ALKANE	23.45	400	J
15.	ALKANE	24.11	500	J
16.	ALKANE	24.85	400	J
17.	ALKANE	25.72	600	J
18.	ALKANE	27.98	700	J
19.	ALKANE	29.45	600	J
20.	ALKANE	31.23	600	J
21.	ALKANE	33.37	400	J
22.	ALKANE	35.47	400	J

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-P06S09

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: SOIL Lab Sample ID: 9809L694-003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 10199811.33

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 10 dec. Date Extracted: 09/16/98

Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 10/21/98

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 100

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	190	U
319-85-7	Beta-BHC	190	U
319-86-8	Delta-BHC	190	U
58-89-9	gamma-BHC (Lindane)	190	U
76-44-8	Heptachlor	190	U
309-00-2	Aldrin	I	
1024-57-3	Heptachlor epoxide	I	
959-98-8	Endosulfan I	190	U
60-57-1	Dieldrin	370	U
72-55-9	4,4'-DDE	370	U
72-20-8	Endrin	370	U
33213-65-9	Endosulfan II	370	U
72-54-8	4,4'-DDD	370	U
1031-07-8	Endosulfan sulfate	370	U
50-29-3	4,4'-DDT	370	U
72-43-5	Methoxychlor	1900	U
53494-70-5	Endrin ketone	370	U
7421934	Endrin aldehyde	370	U
5103-71-9	alpha-Chlordane	190	U
5103-74-2	gamma-Chlordane	190	U
8001-35-2	Toxaphene	19000	U
12674-11-2	Aroclor-1016	3700	U
11104-28-2	Aroclor-1221	7400	U
11141-16-5	Aroclor-1232	3700	U
53469-21-9	Aroclor-1242	27000	
12672-29-6	Aroclor-1248	3700	U
11097-69-1	Aroclor-1254	3700	U
11096-82-5	Aroclor-1260	3700	U

10/29/98

FORM 1 PEST 12/88 Rev.

040

100114

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

P06S09

Lab Name: RECRA_LABNET Contract: 01667-6

D Code: RECRA_ Case No.: SH098 SAS No.: SDG No.: DX1S07

Matrix (soil/water): SOIL Lab Sample ID: 9809L694-003

Level (low/med): LOW Date Received: 09/14/98

% Solids: 90.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9100			P
7440-36-0	Antimony	0.94	B		P
7440-38-2	Arsenic	8.6			P
7440-39-3	Barium	73.6			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	31600			P
7440-47-3	Chromium	15.4		*	P
7440-48-4	Cobalt	12.5			P
7440-50-8	Copper	57.8			P
7439-89-6	Iron	39000			P
7439-92-1	Lead	215		*	P
7439-95-4	Magnesium	17700			P
7439-96-5	Manganese	770		N	P
7439-97-6	Mercury	0.08			AV
7440-02-0	Nickel	30.1			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	0.76	U		P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	1.5	B		P
7440-62-2	Vanadium	12.7			P
7440-66-6	Zinc	170			P
5955-70-0	Cyanide	0.28	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P06S09

FORM I - IN ILM04.0

023

100115

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P07S10

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004

Sample wt/vol: 4.80 (g/mL) G Lab File ID: n092318

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 11 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.04

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	Trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	4	J

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P07S10

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004

Sample wt/vol: 4.80 (g/mL) G Lab File ID: n092318

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 11 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 1.04

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-ALKYLBENZENE	21.476	6	J
2.	C3-ALKYLBENZENE	22.351	20	J
3. 106467	1,4-DICHLOROBENZENE	23.158	20	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P07S10

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102213

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 11 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	270	J
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	87	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	97	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P09S15

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) OIL Lab Sample ID: 9809L701-004

Sample wt/vol: 1.00 (g/mL) G Lab File ID: n092520

Level: (low/med) MED Date Received: 09/15/98

% Moisture: not dec. 0 Date Analyzed: 09/26/98

Column: (pack/cap) CAP Dilution Factor: 4000

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	14.008	3000000	J

FORM 1 VOA-TIC 1/87 Rev.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P07S10

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102213

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 11 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.15	300	J
2.	ALKANE	20.59	300	J
3.	ORGANIC ACID	21.02	6000	J
4.	ALKANE	21.69	300	J
5.	ALKANE	21.82	2000	J
6.	UNKNOWN	21.99	400	J
7.	UNKNOWN	22.10	2000	J
8.	UNKNOWN	22.19	800	J
9.	ALKANE	22.34	5000	J
10.	ALKANE	22.54	600	J
11.	UNKNOWN	22.68	300	J
12.	ALKANE	22.87	3000	J
13.	ALKANE	23.45	4000	J
14.	PHTHALATE	23.62	400	J
15.	ALKANE	24.10	4000	J
16.	ALKANE	24.85	3000	J
17.	ALKANE	25.37	300	J
18.	ALKANE	25.71	2000	J
19.	ALKANE	26.74	2000	J
20.	ALKANE	27.96	2000	J
21.	ALKANE	29.44	2000	J
22.	ALKANE	31.22	2000	J
23.	ALKANE	33.36	1000	J
24.	ALKANE	35.46	900	J
25.	UNKNOWN	39.38	2000	J
26.	UNKNOWN	39.69	4000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P07S10RE

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004 RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D110518

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 11 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/06/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	290	J
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	21	J
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	90	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	97	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P07S10RE

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004 RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D110518

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 11 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/06/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	37	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	2000	B
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	19	J
85-68-7	Butylbenzylphthalate	410	B
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	1700	
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P07S10RE

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-004 RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D110518

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 11 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 28 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-ALKYLBENZENE	6.35	400	J
2.	ORGANIC ACID	16.75	500	J
3.	ORGANIC ACID	18.81	8000	J
4.	ALKANE	19.02	700	J
5.	UNKNOWN	19.66	400	J
6.	ALKANE	19.72	1000	J
7.	UNKNOWN	20.04	1000	J
8.	ALKANE	20.33	700	J
9.	ALKANE	20.86	900	J
10.	ALKANE	21.34	1000	J
11.	ALKANE	21.79	1000	J
12.	ALKANE	22.21	700	J
13.	ALKANE	22.62	700	J
14.	ALKANE	23.09	700	J
15.	ALKANE	23.62	2000	J
16.	ALKANE	24.26	2000	J
17.	ALKANE	25.00	2000	J
18.	ALKANE	25.90	1000	J
19.	UNKNOWN	26.07	300	J
20.	ALKANE	26.97	900	J
21.	ALKANE	28.26	600	J
22.	UNKNOWN	28.41	900	J
23.	UNKNOWN	28.83	300	J
24.	UNKNOWN	28.99	900	J
25.	UNKNOWN	29.22	2000	J
26.	UNKNOWN	29.42	4000	J
27.	UNKNOWN	30.39	800	J
28.	UNKNOWN	30.58	1000	J

1D

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-P07S10

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: SOIL Lab Sample ID: 9809L694-004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 10199811.34

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 11 dec. Date Extracted: 09/16/98

Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 10/21/98

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 5.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	9.4	U
319-85-7	Beta-BHC	9.4	U
319-86-8	Delta-BHC	9.4	U
58-89-9	gamma-BHC (Lindane)	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	Methoxychlor	94	U
53494-70-5	Endrin ketone	19	U
7421934	Endrin aldehyde	19	U
5103-71-9	alpha-Chlordane	9.4	U
5103-74-2	gamma-Chlordane	9.4	U
8001-35-2	Toxaphene	940	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

[illegible] 10/29/98

FORM 1 PEST 12/88 Rev.

049

100124

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P07S10

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA Case No.: SH098 SAS No.: SDG No.: DX1S07

Lab Sample ID: 9809L694-004

Matrix (soil/water): SOIL

Date Received: 09/14/98

Level (low/med): LOW

% Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9120			P
7440-36-0	Antimony	0.78	U		P
7440-38-2	Arsenic	8.2			P
7440-39-3	Barium	16.3	B		P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.61	B		P
7440-70-2	Calcium	36600			P
7440-47-3	Chromium	11.6		*	P
7440-48-4	Cobalt	13.8			P
7440-50-8	Copper	31.7			P
7439-89-6	Iron	31600			P
7439-92-1	Lead	14.0		*	P
7439-95-4	Magnesium	18200			P
7439-96-5	Manganese	813		N	P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	22.7			P
7440-09-7	Potassium	1350			P
7782-49-2	Selenium	0.78	U		P
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium	75.6	B		P
7440-28-0	Thallium	1.7	B		P
7440-62-2	Vanadium	11.8			P
7440-66-6	Zinc	202			P
5955-70-0	Cyanide	0.28	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P07S10

FORM I - IN ILM04.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P08S11

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-005

Sample wt/vol: 5.30 (g/mL) G Lab File ID: n092319

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 13 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 0.943

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	BJ
67-64-1	Acetone	210	B
75-15-0	Carbon Disulfide	3	J
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	1	J
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P08S11

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-005

Sample wt/vol: 5.30 (g/mL) G Lab File ID: n092319

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 13 Date Analyzed: 09/24/98

GC Column: RTX624 ID: 0.32 (mm) Dilution Factor: 0.943

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P08S11

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102214

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 13 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P08S11

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102214

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 13 decanted: (Y/N) __ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	2300	B
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	150	J
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	21	J
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	21	J
207-08-9	Benzo(k)fluoranthene	21	J
50-32-8	Benzo(a)pyrene	25	J
193-39-5	Indeno(1,2,3-cd)pyrene	21	J
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 RFW (v3.3)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P08S11

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L694-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E102214

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: 13 decanted: (Y/N)__ Date Extracted: 09/15/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/23/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.65	100	JB
2.	UNKNOWN	18.07	200	JB
3.	UNKNOWN	23.49	80	JB

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-P08S11

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: SOIL Lab Sample ID: 9809L694-005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 10199811.35

Level: (low/med) LOW Date Received: 09/14/98

% Moisture: not dec. 13 dec. Date Extracted: 09/16/98

Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 10/21/98

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	38	U
319-85-7	Beta-BHC	38	U
319-86-8	Delta-BHC	38	U
58-89-9	gamma-BHC (Lindane)	38	U
76-44-8	Heptachlor	38	U
309-00-2	Aldrin	38	U
1024-57-3	Heptachlor epoxide	38	U
959-98-8	Endosulfan I	38	U
60-57-1	Dieldrin	77	U
72-55-9	4,4'-DDE	74	J
72-20-8	Endrin	77	U
33213-65-9	Endosulfan II	77	U
72-54-8	4,4'-DDD	77	U
1031-07-8	Endosulfan sulfate	77	U
50-29-3	4,4'-DDT	77	U
72-43-5	Methoxychlor	380	U
53494-70-5	Endrin ketone	77	U
7421934	Endrin aldehyde	77	U
5103-71-9	alpha-Chlordane	38	U
5103-74-2	gamma-Chlordane	38	U
8001-35-2	Toxaphene	3800	U
12674-11-2	Aroclor-1016	770	U
11104-28-2	Aroclor-1221	1500	U
11141-16-5	Aroclor-1232	770	U
53469-21-9	Aroclor-1242	770	U
12672-29-6	Aroclor-1248	770	U
11097-69-1	Aroclor-1254	770	U
11096-82-5	Aroclor-1260	770	U

10/29/98

FORM 1 PEST 12/88 Rev.

058

100131

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P08S11

Lab Name: RECRA_LABNET Contract: 01667-6

Lab Code: RECRA_ Case No.: SH098 SAS No.: SDG No.: DX1S07

Matrix (soil/water): SOIL_ Lab Sample ID: 9809L694-005

Level (low/med): LOW Date Received: 09/14/98

Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	2.3	B		P
7440-38-2	Arsenic	18.1			P
7440-39-3	Barium	367			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	8.0			P
7440-70-2	Calcium	54800			P
7440-47-3	Chromium	22.2		*	P
7440-48-4	Cobalt	13.6			P
7440-50-8	Copper	86.6			P
7439-89-6	Iron	39200			P
7439-92-1	Lead	1170		*	P
7439-95-4	Magnesium	13600			P
7439-96-5	Manganese	2310		N	P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	34.0			P
7440-09-7	Potassium	2460			P
7782-49-2	Selenium	1.3			P
7440-22-4	Silver	22.1			P
7440-23-5	Sodium	959	B		P
7440-28-0	Thallium	2.6			P
7440-62-2	Vanadium	24.5			P
7440-66-6	Zinc	1380			P
5955-70-0	Cyanide	0.29	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P08S11

FORM I - IN ILM04.0

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P09S12

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L701-001

Sample wt/vol: 1.09 (g/mL) G Lab File ID: D092516

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 18 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/98

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	60000	J
111-44-4	bis(2-Chloroethyl)ether	560000	U
95-57-8	2-Chlorophenol	560000	U
541-73-1	1,3-Dichlorobenzene	560000	U
106-46-7	1,4-Dichlorobenzene	560000	U
95-50-1	1,2-Dichlorobenzene	560000	U
95-48-7	2-Methylphenol	560000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560000	U
106-44-5	4-Methylphenol	560000	U
621-64-7	N-Nitroso-di-n-propylamine	560000	U
67-72-1	Hexachloroethane	560000	U
98-95-3	Nitrobenzene	560000	U
78-59-1	Isophorone	560000	U
88-75-5	2-Nitrophenol	560000	U
105-67-9	2,4-Dimethylphenol	560000	U
111-91-1	bis(2-Chloroethoxy)methane	560000	U
120-83-2	2,4-Dichlorophenol	560000	U
120-82-1	1,2,4-Trichlorobenzene	560000	U
91-20-3	Naphthalene	560000	U
106-47-8	4-Chloroaniline	560000	U
87-68-3	Hexachlorobutadiene	560000	U
59-50-7	4-Chloro-3-methylphenol	560000	U
91-57-6	2-Methylnaphthalene	560000	U
77-47-4	Hexachlorocyclopentadiene	560000	U
88-06-2	2,4,6-Trichlorophenol	560000	U
95-95-4	2,4,5-Trichlorophenol	1400000	U
91-58-7	2-Chloronaphthalene	560000	U
88-74-4	2-Nitroaniline	1400000	U
131-11-3	Dimethylphthalate	560000	U
208-96-8	Acenaphthylene	560000	U
606-20-2	2,6-Dinitrotoluene	560000	U
99-09-2	3-Nitroaniline	1400000	U
83-32-9	Acenaphthene	560000	U

027

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P09S12

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L701-001

Sample wt/vol: 1.09 (g/mL) G Lab File ID: D092516

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 18 decanted: (Y/N)__ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1400000	U
100-02-7	4-Nitrophenol	1400000	U
132-64-9	Dibenzofuran	560000	U
121-14-2	2,4-Dinitrotoluene	560000	U
84-66-2	Diethylphthalate	560000	U
7005-72-3	4-Chlorophenyl-phenylether	560000	U
86-73-7	Fluorene	560000	U
100-01-6	4-Nitroaniline	1400000	U
534-52-1	4,6-Dinitro-2-methylphenol	1400000	U
86-30-6	N-Nitrosodiphenylamine (1)	560000	U
101-55-3	4-Bromophenyl-phenylether	560000	U
118-74-1	Hexachlorobenzene	560000	U
87-86-5	Pentachlorophenol	1400000	U
85-01-8	Phenanthrene	560000	U
120-12-7	Anthracene	560000	U
86-74-8	Carbazole	560000	U
84-74-2	Di-n-butylphthalate	560000	U
206-44-0	Fluoranthene	560000	U
129-00-0	Pyrene	560000	U
85-68-7	Butylbenzylphthalate	560000	U
91-94-1	3,3'-Dichlorobenzidine	560000	U
56-55-3	Benzo(a)anthracene	560000	U
218-01-9	Chrysene	560000	U
117-81-7	bis(2-Ethylhexyl)phthalate	560000	U
117-84-0	Di-n-octyl phthalate	560000	U
205-99-2	Benzo(b)fluoranthene	560000	U
207-08-9	Benzo(k)fluoranthene	560000	U
50-32-8	Benzo(a)pyrene	560000	U
193-39-5	Indeno(1,2,3-cd)pyrene	560000	U
53-70-3	Dibenz(a,h)anthracene	560000	U
191-24-2	Benzo(g,h,i)perylene	560000	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 RFW (v3.3)

028

100134

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P09S12

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L701-001

Sample wt/vol: 1.09 (g/mL) G Lab File ID: D092516

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 18 decanted: (Y/N)__ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/98

Injection Volume: 2.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C2-ALKYLBENZENE	5.19	3000000	J
2.	C2-ALKYLBENZENE	5.69	1000000	J
3.	C3-ALKYLBENZENE	6.30	900000	J
4.	PROPYLBENZENE	6.87	7000000	J
5.	ETHYLMETHYLBENZENE	7.03	20000000	J
6.	TRIMETHYLBENZENE	7.15	10000000	J
7.	TRIMETHYLBENZENE	7.37	7000000	J
8.	TRIMETHYLBENZENE	7.64	20000000	J
9.	METHYLPROPYLBENZENE	7.86	700000	J
10.	METHYLPROPYLBENZENE	7.93	800000	J
11.	METHYL(METHYLETHYL)BENZENE	8.10	1000000	J
12.	C3-ALKYLBENZENE	8.18	8000000	J
13.	INDANE	8.45	1000000	J
14.	METHYLPROPYLBENZENE	8.61	2000000	J
15.	METHYL(METHYLETHYL)BENZENE	8.72	2000000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P09S13

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOLID Lab Sample ID: 9809L701-002

Sample wt/vol: 1.13 (g/mL) G Lab File ID: D092509

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 14 decanted: (Y/N)__ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/98

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	210000	U
111-44-4	bis(2-Chloroethyl)ether	210000	U
95-57-8	2-Chlorophenol	210000	U
541-73-1	1,3-Dichlorobenzene	210000	U
106-46-7	1,4-Dichlorobenzene	210000	U
95-50-1	1,2-Dichlorobenzene	210000	U
95-48-7	2-Methylphenol	210000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	210000	U
106-44-5	4-Methylphenol	210000	U
621-64-7	N-Nitroso-di-n-propylamine	210000	U
67-72-1	Hexachloroethane	210000	U
98-95-3	Nitrobenzene	210000	U
78-59-1	Isophorone	210000	U
88-75-5	2-Nitrophenol	210000	U
105-67-9	2,4-Dimethylphenol	210000	U
111-91-1	bis(2-Chloroethoxy)methane	210000	U
120-83-2	2,4-Dichlorophenol	210000	U
120-82-1	1,2,4-Trichlorobenzene	210000	U
91-20-3	Naphthalene	210000	U
106-47-8	4-Chloroaniline	210000	U
87-68-3	Hexachlorobutadiene	210000	U
59-50-7	4-Chloro-3-methylphenol	210000	U
91-57-6	2-Methylnaphthalene	210000	U
77-47-4	Hexachlorocyclopentadiene	210000	U
88-06-2	2,4,6-Trichlorophenol	210000	U
95-95-4	2,4,5-Trichlorophenol	510000	U
91-58-7	2-Chloronaphthalene	210000	U
88-74-4	2-Nitroaniline	510000	U
131-11-3	Dimethylphthalate	210000	U
208-96-8	Acenaphthylene	210000	U
606-20-2	2,6-Dinitrotoluene	210000	U
99-09-2	3-Nitroaniline	510000	U
83-32-9	Acenaphthene	210000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SH098-0A140-P09S12

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: (soil/water) WATER Lab Sample ID: 9809L701-006

Sample wt/vol: 200 (g/mL) ML Lab File ID: E101405

Level: (low/med) LOW Date Received: 09/15/98

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 09/29/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/14/98

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
110-86-1	Pyridine	0.050	U
106-46-7	1,4-Dichlorobenzene	0.050	U
95-48-7	2-Methylphenol	0.050	U
106-44-5	3- and/or 4-Methylphenol	0.050	U
67-72-1	Hexachloroethane	0.050	U
98-95-3	Nitrobenzene	0.050	U
87-68-3	Hexachlorobutadiene	0.050	U
88-06-2	2,4,6-Trichlorophenol	0.050	U
95-95-4	2,4,5-Trichlorophenol	0.12	U
121-14-2	2,4-Dinitrotoluene	0.050	U
118-74-1	Hexachlorobenzene	0.050	U
87-86-5	Pentachlorophenol	0.12	U

FORM 1 SV-1 RFW (v3.3)

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-P09S12

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9809L701-006

Sample wt/vol: 100 (g/mL) ML Lab File ID: 10079803.09

Level: (low/med) LOW Date Received: 09/15/98

% Moisture: not dec. ____ dec. Date Extracted: 09/30/98

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/08/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		
94-75-7	2,4-D	10	U
93-72-1	2,4,5-TP (Silvex)	5.0	U

FORM 1 PEST 12/88 Rev.

[illegible] 10/15/98

015

100138

1D

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

SH098-0A140-P09S12

Lab Name: Recra LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: SOIL Lab Sample ID: 9809L701-001

Sample wt/vol: 1.00 (g/mL) G Lab File ID: 10139809.30

Level: (low/med) ~~LOW~~ med BJP 10/21/98 Date Received: 09/15/98

% Moisture: not dec. 18 dec. Date Extracted: 09/28/98

Extraction: (SepF/Cont/Sonc) N/A Date Analyzed: 10/14/98

GPC Cleanup: (Y/N) Y pH: ____ Dilution Factor: 2.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	120	U
319-85-7	Beta-BHC	120	U
319-86-8	Delta-BHC	120	U
58-89-9	gamma-BHC (Lindane)	120	U
76-44-8	Heptachlor	120	U
309-00-2	Aldrin	120	U
1024-57-3	Heptachlor epoxide	120	U
959-98-8	Endosulfan I	120	U
60-57-1	Dieldrin	240	U
72-55-9	4,4'-DDE	240	U
72-20-8	Endrin	240	U
33213-65-9	Endosulfan II	240	U
72-54-8	4,4'-DDD	240	U
1031-07-8	Endosulfan sulfate	240	U
50-29-3	4,4'-DDT	240	U
72-43-5	Methoxychlor	1200	U
53494-70-5	Endrin ketone	240	U
7421-93-4	Endrin aldehyde	240	U
5103-71-9	alpha-Chlordane	120	U
5103-74-2	gamma-Chlordane	120	U
8001-35-2	Toxaphene	12000	U
12674-11-2	Aroclor-1016	2400	U
11104-28-2	Aroclor-1221	4900	U
11141-16-5	Aroclor-1232	2400	U
53469-21-9	Aroclor-1242	2400	U
12672-29-6	Aroclor-1248	2400	U
11097-69-1	Aroclor-1254	2400	U
11096-82-5	Aroclor-1260	2400	U

FORM 1 PEST 12/88 Rev.

BJP 10/21/98

1D

PESTICIDE ORGANICS ANALYSIS SHEET

SH098-0A140-P09S12

Lab Name: Recra.LabNet Work Order: 01667600001

Client: NYSDEC

Matrix: WATER Lab Sample ID: 9809L701-006

Sample wt/vol: 100 (g/mL) ML Lab File ID: 10079807.05

Level: (low/med) LOW Date Received: 09/15/98

% Moisture: not dec. _____ dec. Date Extracted: 09/30/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 10/07/98

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		
76-44-8	Heptachlor	0.50	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
58-89-9	gamma-BHC (Lindane)	1.2	
72-20-8	Endrin	1.0	U
72-43-5	Methoxychlor	5.0	U
8001-35-2	Toxaphene	50	U
1024-57-3	Heptachlor Epoxide	0.50	U

FORM 1 PEST 12/88 Rev.

Qat 10/15/98

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

P09S12

Lab Name: RECRA_LABNET Contract: 01667

Lab Code: RECRA Case No.: SH098 SAS No.: SDG No.: P09S12

Matrix (soil/water): SOIL Lab Sample ID: 9809L701-001

Level (low/med): LOW Date Received: 09/15/98

% Solids: 82.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8750			P
7440-36-0	Antimony	0.78	U		P
7440-38-2	Arsenic	9.6			P
7440-39-3	Barium	25.3	B		P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	0.28	B		P
7440-70-2	Calcium	4900			P
7440-47-3	Chromium	14.1			P
7440-48-4	Cobalt	14.1			P
7440-50-8	Copper	43.2			P
7439-89-6	Iron	25300			P
7439-92-1	Lead	38.8			P
7439-95-4	Magnesium	5410			P
7439-96-5	Manganese	781			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	27.4			P
7440-09-7	Potassium	696	B		P
7782-49-2	Selenium	1.5			P
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium	123	B		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	12.7			P
7440-66-6	Zinc	56.4			P
5955-70-0	Cyanide	1.3			C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
SH098-0A140-P09S12

FORM I - IN ILM04.0

VOLATILE ORGANICS ANALYSIS SHEET

SH098-0A140-P09S12

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L701-001

Sample wt/vol: 3.80 (g/mL) G Lab File ID: n092506

Level: (low/med) MED Date Received: 09/15/98

% Moisture: not dec. 18 Date Analyzed: 09/25/98

Column: (pack/cap) CAP Dilution Factor: 1050

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
74-87-3	Chloromethane	1600000	U
74-83-9	Bromomethane	1600000	U
75-01-4	Vinyl Chloride	1600000	U
75-00-3	Chloroethane	1600000	U
75-09-2	Methylene Chloride	450000	JB
67-64-1	Acetone	1600000	U
75-15-0	Carbon Disulfide	800000	U
75-35-4	1,1-Dichloroethene	800000	U
75-34-3	1,1-Dichloroethane	800000	U
540-59-0	1,2-Dichloroethene (total)	800000	U
67-66-3	Chloroform	800000	U
107-06-2	1,2-Dichloroethane	800000	U
78-93-3	2-Butanone	1600000	U
71-55-6	1,1,1-Trichloroethane	800000	U
56-23-5	Carbon Tetrachloride	800000	U
75-27-4	Bromodichloromethane	800000	U
78-87-5	1,2-Dichloropropane	800000	U
10061-01-5	cis-1,3-Dichloropropene	800000	U
79-01-6	Trichloroethene	800000	U
124-48-1	Dibromochloromethane	800000	U
79-00-5	1,1,2-Trichloroethane	800000	U
71-43-2	Benzene	160000	J
10061-02-6	Trans-1,3-Dichloropropene	800000	U
75-25-2	Bromoform	800000	U
108-10-1	4-Methyl-2-pentanone	1600000	U
591-78-6	2-Hexanone	1600000	U
127-18-4	Tetrachloroethene	800000	U
79-34-5	1,1,2,2-Tetrachloroethane	800000	U
108-88-3	Toluene	380000	J
108-90-7	Chlorobenzene	800000	U
100-41-4	Ethylbenzene	240000	J
100-42-5	Styrene	800000	U
1330-20-7	Xylene (total)	1800000	

FORM 1 V-1 1/87 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SH098-0A140-P09S12

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOIL Lab Sample ID: 9809L701-001

Sample wt/vol: 3.80 (g/mL) G Lab File ID: n092506

Level: (low/med) MED Date Received: 09/15/98

% Moisture: not dec. 18 Date Analyzed: 09/25/98

Column: (pack/cap) CAP Dilution Factor: 1050

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 9

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-ALKYLBENZENE	21.320	6000000	J
2.	C3-ALKYLBENZENE	21.467	40000000	J
3.	C3-ALKYLBENZENE	21.634	20000000	J
4.	C3-ALKYLBENZENE	22.028	10000000	J
5.	C3-ALKYLBENZENE	22.352	50000000	J
6.	C4-ALKYLBENZENE	22.795	2000000	J
7.	C3-ALKYLBENZENE	23.159	20000000	J
8.	C4-ALKYLBENZENE	23.474	3000000	J
9.	C4-ALKYLBENZENE	23.572	7000000	J

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH098-0A140-P09S12

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 9809L701-005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: c100313

Level: (low/med) LOW Date Received: 09/15/98

% Moisture: not dec. _____ Date Analyzed: 10/03/98

Column: (pack/cap) CAP Dilution Factor: 5.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND		
75-01-4	Vinyl Chloride	0.050	U
75-35-4	1,1-Dichloroethene	0.025	U
67-66-3	Chloroform	0.025	U
107-06-2	1,2-Dichloroethane	0.025	U
78-93-3	2-Butanone	0.050	U
56-23-5	Carbon Tetrachloride	0.025	U
79-01-6	Trichloroethene	0.025	U
71-43-2	Benzene	1.6	E
127-18-4	Tetrachloroethene	0.025	U
108-90-7	Chlorobenzene	0.025	U

FORM 1 V-1 1/87 Rev.

Recra LabNet - Lionville

INORGANICS DATA SUMMARY REPORT 10/20/98

CLIENT: NYSDEC

RECRA LOT #: 9809L701

WORK ORDER: 01667-600-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-001	SH098-0A140-P09S12	% Solids	82.4	%	0.01	1.0
		Cyanide, Reactive	0.50 u	MG/KG	0.50	1.0
		Corrosivity	1.00 u	MM/YR	1.00	1.0
		Corrosivity by pH	7.6	SOIL PH	0.01	1.0
		Flash Point	89.5	DEG/F	40.0	1.0
		Sulfide, Reactive	24.0 u	MG/KG	24.0	1.0
-002	SH098-0A140-P09S13	% Solids	86.3	%	0.01	1.0
-003	SH098-0A140-P09S14	% Solids	93.0	%	0.01	1.0

Recra LabNet - Lionville

INORGANICS METHOD BLANK DATA SUMMARY PAGE 10/20/98

CLIENT: NYSDEC

RECRA LOT #: 9809L701

WORK ORDER: 01667-600-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
BLANK10	98LRC028-MB1	Cyanide, Reactive	0.50 u	MG/KG	0.50	1.0
BLANK10	98LSD048-MB1	Sulfide, Reactive	24.0 u	MG/KG	24.0	1.0

Recra LabNet - Lionville

INORGANICS ACCURACY REPORT 10/20/98

RECRA LOT #: 9809L701

CLIENT: NYSDEC

WORK ORDER: 01667-600-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR(SPK)
LCS10	98LRC028-LC1	Cyanide, Reactive	0.92	0.50u	10	9.2	1.0
LCS20	98LRC028-LC2	Cyanide, Reactive MSD	0.89	0.50u	10	8.9	1.0
LCS10	98LSD048-LC1	Sulfide, Reactive	164	24.0 u	1060	15.5	1.0
LCS20	98LSD048-LC2	Sulfide, Reactive MSD	124	24.0 u	1060	11.7	1.0

Recra LabNet - Lionville

INORGANICS DUPLICATE SPIKE REPORT 10/20/98

CLIENT: NYSDEC

RECRA LOT #: 9809L701

WORK ORDER: 01667-600-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKE#1 %RECOV	SPIKE#2 %RECOV	%DIFF
LCS20	98LRC028-LC2	Cyanide, Reactive	9.2	8.9	4.0
LCS20	98LSD048-LC2	Sulfide, Reactive	15.5	11.7	27.8

Recra LabNet - Lionville

INORGANICS PRECISION REPORT 10/20/98

CLIENT: NYSDEC

RECRA LOT #: 9809L701

WORK ORDER: 01667-600-001-9999-00

SAMPLE	SITE ID	ANALYTE	INITIAL RESULT	REPLICATE	RPD	DILUTION FACTOR(REP)
-001REP	SH098-0A140-P09S12	Cyanide, Reactive	0.50u	0.50u	NC	1.0
		Corrosivity	1.00u	1.00u	NC	1.0
		Flash Point	89.5	86.5	3.4	1.0
		Sulfide, Reactive	24.0 u	24.0 u	NC	1.0

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P09S13

Lab Name: Recra.LabNet Contract: 01667500001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOLID Lab Sample ID: 9809L701-002

Sample wt/vol: 1.13 (g/mL) G Lab File ID: D092509

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 14 decanted: (Y/N)__ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/98

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	510000	U
100-02-7	4-Nitrophenol	510000	U
132-64-9	Dibenzofuran	210000	U
121-14-2	2,4-Dinitrotoluene	210000	U
84-66-2	Diethylphthalate	210000	U
7005-72-3	4-Chlorophenyl-phenylether	210000	U
86-73-7	Fluorene	210000	U
100-01-6	4-Nitroaniline	510000	U
534-52-1	4,6-Dinitro-2-methylphenol	510000	U
86-30-6	N-Nitrosodiphenylamine (1)	210000	U
101-55-3	4-Bromophenyl-phenylether	210000	U
118-74-1	Hexachlorobenzene	210000	U
87-86-5	Pentachlorophenol	510000	U
85-01-8	Phenanthrene	210000	U
120-12-7	Anthracene	210000	U
86-74-8	Carbazole	210000	U
84-74-2	Di-n-butylphthalate	210000	U
206-44-0	Fluoranthene	210000	U
129-00-0	Pyrene	210000	U
85-68-7	Butylbenzylphthalate	210000	U
91-94-1	3,3'-Dichlorobenzidine	210000	U
56-55-3	Benzo(a)anthracene	12000	J
218-01-9	Chrysene	15000	J
117-81-7	bis(2-Ethylhexyl)phthalate	210000	U
117-84-0	Di-n-octyl phthalate	18000	J
205-99-2	Benzo(b)fluoranthene	17000	J
207-08-9	Benzo(k)fluoranthene	20000	J
50-32-8	Benzo(a)pyrene	17000	J
193-39-5	Indeno(1,2,3-cd)pyrene	17000	J
53-70-3	Dibenz(a,h)anthracene	17000	J
191-24-2	Benzo(g,h,i)perylene	17000	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P09S13

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOLID Lab Sample ID: 9809L701-002

Sample wt/vol: 1.13 (g/mL) G Lab File ID: D092509

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 14 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/98

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

Number TICs found: 14

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	DIMETHYLDISULFIDE	2.40	1000000	J
2.	TRIMETHYLPHOSPHORODITHIOIC A	10.70	4000000	J
3.	UNKNOWN	11.80	3000000	J
4.	TRIMETHYLPHOSPHORODITHIOIC A	12.46	900000	J
5.	METHIDATHION	13.99	6000000	J
6.	METHIDATHION	15.22	9000000	J
7.	METHIDATHION	17.90	7000000	J
8.	UNKNOWN	19.47	700000	J
9.	METHIDATHION	20.17	400000	J
10.	METHIDATHION	20.59	1000000	J
11.	METHIDATHION	21.16	7000000	J
12.	UNKNOWN	23.12	5000000	J
13.	METHIDATHION	24.59	6000000	J
14.	METHIDATHION	26.18	1000000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P09S14

Lab Name: Recra LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOLID Lab Sample ID: 9809L701-003

Sample wt/vol: 0.990 (g/mL) G Lab File ID: D092510

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 7 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/98

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	0.11E+08	E
111-44-4	bis(2-Chloroethyl)ether	220000	U
95-57-8	2-Chlorophenol	220000	U
541-73-1	1,3-Dichlorobenzene	220000	U
106-46-7	1,4-Dichlorobenzene	220000	U
95-50-1	1,2-Dichlorobenzene	220000	U
95-48-7	2-Methylphenol	220000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	220000	U
106-44-5	4-Methylphenol	220000	U
621-64-7	N-Nitroso-di-n-propylamine	220000	U
67-72-1	Hexachloroethane	220000	U
98-95-3	Nitrobenzene	220000	U
78-59-1	Isophorone	220000	U
88-75-5	2-Nitrophenol	220000	U
105-67-9	2,4-Dimethylphenol	220000	U
111-91-1	bis(2-Chloroethoxy)methane	220000	U
120-83-2	2,4-Dichlorophenol	220000	U
120-82-1	1,2,4-Trichlorobenzene	220000	U
91-20-3	Naphthalene	220000	U
106-47-8	4-Chloroaniline	220000	U
87-68-3	Hexachlorobutadiene	220000	U
59-50-7	4-Chloro-3-methylphenol	220000	U
91-57-6	2-Methylnaphthalene	220000	U
77-47-4	Hexachlorocyclopentadiene	220000	U
88-06-2	2,4,6-Trichlorophenol	220000	U
95-95-4	2,4,5-Trichlorophenol	540000	U
91-58-7	2-Chloronaphthalene	220000	U
88-74-4	2-Nitroaniline	540000	U
131-11-3	Dimethylphthalate	220000	U
208-96-8	Acenaphthylene	220000	U
606-20-2	2,6-Dinitrotoluene	220000	U
99-09-2	3-Nitroaniline	540000	U
83-32-9	Acenaphthene	220000	U

086

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P09S14

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) SOLID Lab Sample ID: 9809L701-003

Sample wt/vol: 0.990 (g/mL) G Lab File ID: D092510

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 7 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/98

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	540000	U
100-02-7	4-Nitrophenol	540000	U
132-64-9	Dibenzofuran	220000	U
121-14-2	2,4-Dinitrotoluene	220000	U
84-66-2	Diethylphthalate	220000	U
7005-72-3	4-Chlorophenyl-phenylether	220000	U
86-73-7	Fluorene	220000	U
100-01-6	4-Nitroaniline	540000	U
534-52-1	4,6-Dinitro-2-methylphenol	540000	U
86-30-6	N-Nitrosodiphenylamine (1)	220000	U
101-55-3	4-Bromophenyl-phenylether	220000	U
118-74-1	Hexachlorobenzene	220000	U
87-86-5	Pentachlorophenol	540000	U
85-01-8	Phenanthrene	220000	U
120-12-7	Anthracene	220000	U
86-74-8	Carbazole	220000	U
84-74-2	Di-n-butylphthalate	220000	U
206-44-0	Fluoranthene	220000	U
129-00-0	Pyrene	220000	U
85-68-7	Butylbenzylphthalate	220000	U
91-94-1	3,3'-Dichlorobenzidine	220000	U
56-55-3	Benzo(a)anthracene	220000	U
218-01-9	Chrysene	220000	U
117-81-7	bis(2-Ethylhexyl)phthalate	220000	U
117-84-0	Di-n-octyl phthalate	220000	U
205-99-2	Benzo(b)fluoranthene	220000	U
207-08-9	Benzo(k)fluoranthene	220000	U
50-32-8	Benzo(a)pyrene	220000	U
193-39-5	Indeno(1,2,3-cd)pyrene	220000	U
53-70-3	Dibenz(a,h)anthracene	220000	U
191-24-2	Benzo(g,h,i)perylene	220000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SH098-0A140-P09S14

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOLID Lab Sample ID: 9809L701-003

Sample wt/vol: 0.990 (g/mL) G Lab File ID: D092510

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 7 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/98

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.39	900000	J
2.	2,2'-METHYLENEBISPHENOL	20.16	2000000	J
3.	2,2'-METHYLENEBISPHENOL	20.40	7000000	J
4.	4,4'-METHYLENEBISPHENOL	20.82	7000000	J
5.	UNKNOWN	22.05	300000	J
6.	UNKNOWN PHENOL	27.03	400000	J
7.	UNKNOWN	27.78	2000000	J
8.	UNKNOWN PHENOL	28.07	2000000	J
9.	UNKNOWN	28.16	1000000	J
10.	UNKNOWN	28.90	4000000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P09S15

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) OIL Lab Sample ID: 9809L701-004

Sample wt/vol: 1.31 (g/mL) G Lab File ID: D092511

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 0 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/98

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	9800000	E
111-44-4	bis(2-Chloroethyl)ether	76000	U
95-57-8	2-Chlorophenol	76000	U
541-73-1	1,3-Dichlorobenzene	76000	U
106-46-7	1,4-Dichlorobenzene	76000	U
95-50-1	1,2-Dichlorobenzene	76000	U
95-48-7	2-Methylphenol	55000	J
108-60-1	2,2'-oxybis(1-Chloropropane)	76000	U
106-44-5	4-Methylphenol	57000	J
621-64-7	N-Nitroso-di-n-propylamine	76000	U
67-72-1	Hexachloroethane	76000	U
98-95-3	Nitrobenzene	76000	U
78-59-1	Isophorone	76000	U
88-75-5	2-Nitrophenol	76000	U
105-67-9	2,4-Dimethylphenol	76000	U
111-91-1	bis(2-Chloroethoxy)methane	76000	U
120-83-2	2,4-Dichlorophenol	76000	U
120-82-1	1,2,4-Trichlorobenzene	76000	U
91-20-3	Naphthalene	76000	U
106-47-8	4-Chloroaniline	76000	U
87-68-3	Hexachlorobutadiene	76000	U
59-50-7	4-Chloro-3-methylphenol	76000	U
91-57-6	2-Methylnaphthalene	76000	U
77-47-4	Hexachlorocyclopentadiene	76000	U
88-06-2	2,4,6-Trichlorophenol	190000	U
95-95-4	2,4,5-Trichlorophenol	76000	U
91-58-7	2-Chloronaphthalene	190000	U
88-74-4	2-Nitroaniline	76000	U
131-11-3	Dimethylphthalate	76000	U
208-96-8	Acenaphthylene	76000	U
606-20-2	2,6-Dinitrotoluene	190000	U
99-09-2	3-Nitroaniline	76000	U
83-32-9	Acenaphthene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH098-0A140-P09S15

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) OIL Lab Sample ID: 9809L701-004

Sample wt/vol: 1.31 (g/mL) G Lab File ID: D092511

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 0 decanted: (Y/N) __ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/98

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	190000	U
100-02-7	4-Nitrophenol	190000	U
132-64-9	Dibenzofuran	76000	U
121-14-2	2,4-Dinitrotoluene	76000	U
84-66-2	Diethylphthalate	76000	U
7005-72-3	4-Chlorophenyl-phenylether	76000	U
86-73-7	Fluorene	76000	U
100-01-6	4-Nitroaniline	190000	U
534-52-1	4,6-Dinitro-2-methylphenol	190000	U
86-30-6	N-Nitrosodiphenylamine (1)	76000	U
101-55-3	4-Bromophenyl-phenylether	76000	U
118-74-1	Hexachlorobenzene	76000	U
87-86-5	Pentachlorophenol	190000	U
85-01-8	Phenanthrene	76000	U
120-12-7	Anthracene	76000	U
86-74-8	Carbazole	76000	U
84-74-2	Di-n-butylphthalate	76000	U
206-44-0	Fluoranthene	76000	U
129-00-0	Pyrene	76000	U
85-68-7	Butylbenzylphthalate	76000	U
91-94-1	3,3'-Dichlorobenzidine	76000	U
56-55-3	Benzo(a)anthracene	76000	U
218-01-9	Chrysene	76000	U
117-81-7	bis(2-Ethylhexyl)phthalate	76000	U
117-84-0	Di-n-octyl phthalate	76000	U
205-99-2	Benzo(b)fluoranthene	76000	U
207-08-9	Benzo(k)fluoranthene	76000	U
50-32-8	Benzo(a)pyrene	76000	U
193-39-5	Indeno(1,2,3-cd)pyrene	76000	U
53-70-3	Dibenz(a,h)anthracene	76000	U
191-24-2	Benzo(g,h,i)perylene	76000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH098-0A140-P09S15

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) OIL Lab Sample ID: 9809L701-004

Sample wt/vol: 1.31 (g/mL) G Lab File ID: D092511

Level: (low/med) MED Date Received: 09/15/98

% Moisture: 0 decanted: (Y/N)__ Date Extracted: 09/25/98

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/98

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.16	200000	J
2.	SALICYL ALCOHOL	12.13	2000000	J
3.	SALICYL ALCOHOL	14.12	2000000	J
4.	UNKNOWN	15.80	1000000	J
5.	UNKNOWN	15.93	3000000	J
6.	UNKNOWN	19.20	200000	J
7.	UNKNOWN	19.82	200000	J
8.	UNKNOWN	20.06	800000	J
9.	2,2'-METHYLENEBISPHENOL	20.36	500000	J
10.	2,4'-BISPHENOL A	20.64	200000	J
11.	4,4'-METHYLENEBISPHENOL	20.77	400000	J
12.	BISPHENOL A	21.44	2000000	J

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH098-0A140-P09S15

Lab Name: Recra.LabNet Contract: 01667600001

Lab Code: Recra Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) OIL Lab Sample ID: 9809L701-004

Sample wt/vol: 1.00 (g/mL) G Lab File ID: n092520

Level: (low/med) MED Date Received: 09/15/98

% Moisture: not dec. 0 Date Analyzed: 09/26/98

Column: (pack/cap) CAP Dilution Factor: 4000

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		
74-87-3	Chloromethane	5000000	U
74-83-9	Bromomethane	5000000	U
75-01-4	Vinyl Chloride	5000000	U
75-00-3	Chloroethane	5000000	U
75-09-2	Methylene Chloride	2000000	JB
67-64-1	Acetone	5000000	U
75-15-0	Carbon Disulfide	2500000	U
75-35-4	1,1-Dichloroethene	2500000	U
75-34-3	1,1-Dichloroethane	2500000	U
540-59-0	1,2-Dichloroethene (total)	2500000	U
67-66-3	Chloroform	2500000	U
107-06-2	1,2-Dichloroethane	2500000	U
78-93-3	2-Butanone	5000000	U
71-55-6	1,1,1-Trichloroethane	2500000	U
56-23-5	Carbon Tetrachloride	2500000	U
75-27-4	Bromodichloromethane	2500000	U
78-87-5	1,2-Dichloropropane	2500000	U
10061-01-5	cis-1,3-Dichloropropene	2500000	U
79-01-6	Trichloroethene	2500000	U
124-48-1	Dibromochloromethane	2500000	U
79-00-5	1,1,2-Trichloroethane	2500000	U
71-43-2	Benzene	2500000	U
10061-02-6	Trans-1,3-Dichloropropene	2500000	U
75-25-2	Bromoform	2500000	U
108-10-1	4-Methyl-2-pentanone	5000000	U
591-78-6	2-Hexanone	5000000	U
127-18-4	Tetrachloroethene	2500000	U
79-34-5	1,1,2,2-Tetrachloroethane	2500000	U
108-88-3	Toluene	2500000	U
108-90-7	Chlorobenzene	2500000	U
100-41-4	Ethylbenzene	2500000	U
100-42-5	Styrene	2500000	U
1330-20-7	Xylene (total)	2500000	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

To: the file

From: Irmee Huhn, On-Scene Coordinator I Huhn 5/21/99

Re: Amenia Town Landfill- Drum Composite Log

The following page identifies the bulking scheme utilized to generate the composite samples which were sent out for analysis to Antech Ltd. for soil/waste characterization.

Comp 1	Comp 2	Comp 3	Comp 4	Comp 5	Comp 6	Comp 7	Comp 8	Comp 9	Comp 10	Comp 11
25	37	7	2	43	69	1	4	13	19	10
48	73	36	3	44	85	8	5	23	33	11
65	117	75	144	64		14	9	60	39	12
	136	104	158			15	32	61	88 89	20
	157	105				16	47	74	90	21
	42	113				17	61 51	77	91	27
		114				18	52	78	92	30
		118				22	57	81	96	31
		119				24	67	82	98	34
		121				28	68	83	99	35
		122				29	72	84	101	38
		124				40	109	87	110	41
		129				45	120	102	111	46
		130				49	128	106	115	54
		134				50	132	107	116	55
		136				53	133	108	123	56
		155				58	152	125	131	70
		166				59	165	127	140	71
						62	st1	138	142	79
						63		141	148	80
						66		152	154	86
						76			156	88
						103			160	93
						126			161	94
						146			162	95
						147			163	97
						149			164	100
						150				112
						151				
						153				
						169				
						167				
						st2				

	Bid Item 1	Bid Item 2	Bid Item 3	Bid Item 4	Bid Item 5	Bid Item 6	Bid Item 7	Bid Item 8	Bid Item 9
Soil Pile		Comp #1	Comp #2	Comp #3 D137	Comp #4	Comp #5	Comp #6 Comp #7 Comp #8 Comp #9	Comp #10 Comp #11	D143 D145

100160

SENT BY:Xerox Telecopier 7020 ; 1- 6-99 ; 8:08AM ; → 908 906 6162;# 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

To: the file

From: Irmee Huhn, On-Scene Coordinator Irmee Huhn 5/21/99

Re: Amenia Town Landfill, Amenia, NY - Drum logs

The following logs document the results of drum sampling and field hazard categorization ("Hazcat") screening. Hazcat screening is used to classify unknown wastes into compatible groups for full laboratory analysis. This screening is not sufficient to determine if a particular waste is not regulated under the Resource Conservation and Recovery Act (RCRA).

SITE NAME Anenin Landfill SAMPLE NO: _____ DRUM NUMBER ST-01

GRID LOCATION FOUND: Far Southern corner STAGING LOCATION: _____

LOGGER: Jim Kearns SAMPLER: _____

PROJECT NUMBER: _____ DATE/TIME: Oct. 20 / 15:00

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	(POLY)	Poly Lined	(Over Pack)	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	(Good)
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): (85) 55 42 30 15 10 5 Other

MFG NAME -hole in top -does not go all the way through

CHEMICAL NAME

DRUM MARKINGS - yellow overpack

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI ✓ RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Grey Powder

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, (Powder) Crystal Granular, Rubber	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE
TOP			✓			Grey-Powder			✓	—	—
MIDDLE											
BOTTOM											

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100162

SITE NAME Amenia Landfill SAMPLE NO: _____ DRUM NUMBER 5-1-02

GRID LOCATION FOUND: Far Southern Corner STAGING LOCATION: _____

LOGGER: Jim Kearns SAMPLER: _____

PROJECT NUMBER: _____ DATE/TIME: ~~15:40~~ 16:05 - staged October 20 1998

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	(POLY)	Poly Lined	Over Pack	Rusted	Leaking	(Dented)
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): (85) 55 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS - yellow overpack

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu____ OVA____ CGI____ RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Soil like

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal (Granular), Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE
TOP			✓			Brown Soil			✓	—	—
MIDDLE											
BOTTOM											

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle		/					/	/		/
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100163

SITE NAME Amerin Landfill SAMPLE NO: D-01 DRUM NUMBER D-01

GRID LOCATION FOUND: Far South Corner STAGING LOCATION: Overpacks

LOGGER: Jim Kerrar SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: 15:45 October 20 1999

Sampled 14:50 November 3 1998

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 110 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS - filled with dirt, overpacked

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 100 OVA____ CGI____ RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling 0 0

Layers			Physical			Color/Description	Clarity			Solubility		
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil w/ red pieces Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	
TOP						Brown Soil like				—	—	— —
MIDDLE												
BOTTOM												

(Soil)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

UNN Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100164

SITE NAME Amenia SAMPLE NO: D-02 DRUM NUMBER D-02

GRID LOCATION FOUND: Far south corner STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 21 1998 08:35

Sampled- Nov. 3, 1998 1438

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	(Rusted)	Leaking	(Dented)
(STEEL)	NICKEL	(Open Top)	Ring Type	Bulging	(Perforated)	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 (55) 42 30 15 10 5 Other 110 overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 200 OVA____ CGI 0 RAD METER____ OTHER____

Sampling air monitoring 2.5ppb 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	(Dark with red and brick) Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE
TOP										—	—
MIDDLE											
BOTTOM											

Brown Soil like Material with what looks like Red Paint

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		+	—	—	+	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

~~Haz~~ Ignitable organic Solids Chl

TEST COMPATIBILITY RESULTS

100165

SITE NAME Amenia Landfill SAMPLE NO: D-05 DRUM NUMBER D-05

GRID LOCATION FOUND: Far South Corner STAGING LOCATION: Kent Ike

LOGGER: Jim Kearns SAMPLER: 08:55 October 21, 1998

PROJECT NUMBER: DATE/TIME: Sampled 1505 11/3/98

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented-crushed
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 110 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Sample 0 0 Background

PHYSICAL DESCRIPTION: Black Solid

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	P	—	—
MIDDLE													
BOTTOM													

Black only Soil P=Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	+	—	/	/	/
Middle		/						/	/	/
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON - Regulated - Organic Contaminated Soil Chlor.

TEST COMPATIBILITY RESULTS

100166

SITE NAME Amenia Landfill SAMPLE NO: D-04 DRUM NUMBER D-04 - ~~staged with soil~~ overpacked

GRID LOCATION FOUND: Far South corner STAGING LOCATION:

LOGGER: Tim Kearns SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: DATE/TIME: 09:00 October 21, 1998

Sampled 1535 November 3, 1998

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 110 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

Sample - soil (purple)

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE
TOP			✓			white and [illegible]				— —	— —
MIDDLE						~~[illegible]~~					
BOTTOM											

Purple Soil Like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated · Inorganic Solid

TEST COMPATIBILITY RESULTS

100167

SITE NAME Amenia SAMPLE NO: D-05 DRUM NUMBER D-05 ~~[illegible]~~ Soil overpacked

GRID LOCATION FOUND: SW [illegible] STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: 09:15 October 21, 1998

Sampled November 3, 1998 1435

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ___ CGI 0 RAD METER ___ OTHER ___

monitoring sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	white + brown Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE
TOP						white granules				P	– – –
MIDDLE						[illegible]					
BOTTOM											

White (Looks Like Floor Sweepings) P = Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	–	–	–	–	–	/	–	/
Middle										
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

1000 Regulated - Inorganic Solids

TEST COMPATIBILITY RESULTS

100168

07-V

SITE NAME: Anzenia SAMPLE NO: D-07 DRUM NUMBER: D-06 - overpack

GRID LOCATION FOUND: SW location STAGING LOCATION: 9th.

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher & I. Webb)

PROJECT NUMBER: DATE/TIME: 09:20 October 21 1998

Sampled November 3, 1998 1542

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 9th 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 5 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber TAR LIKE MATL	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE
TOP										* —	— — —
MIDDLE											
BOTTOM	19"										

* Creates Emulsion

To Waste Water

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated - Organics Waste

TEST COMPATIBILITY RESULTS

100169

SITE NAME Anenin SAMPLE NO: D-08 DRUM NUMBER D-08 - Overpacked

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kraus SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: DATE/TIME: October 21 1998 09:25

Sampled November 3, 1998 1515

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

AIR MONITOR SAMPLE 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	
TOP						white powder				—	—	— —
MIDDLE						mixed with dirt						
BOTTOM												

white Granular + Dirt

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS

100170

SITE NAME: Amenia Town Landfill SAMPLE NO: D-09 DRUM NUMBER: D-09

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher / I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: 22 October 1998 13:50

Sampled November 3, 1998 1445

DESCRIPTION:

CONSTRUCTION				TYPE		CONDITION		
FIBER		POLY		POLY LINED		RUSTED	LEAKING	DENTED
STEEL		NICKEL		OPEN TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER		CLOSED TOP		OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 200 units OVA____ CGI____ RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Red Material

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						1 side of drum had clear crystals						+	–	–	–
Middle						other side had a gelatinous, dark colored									
Bottom															

Reddish Purple Soft Material with Soil (Looks Like Paint)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfice	PCB
Top	7		–	–	–	–	–		–	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated – Inorganic Material

TEST COMPATIBILITY RESULTS:

100171

SITE NAME: Amenia Town Landfill SAMPLE NO: D-10 DRUM NUMBER:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 22 1998 09:15

Sampled November 4, 1998 1435

DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 30 units OVA ___ CGI 0 RAD METER ___ OTHER ___

Air monitor sample 0 0

PHYSICAL DESCRIPTION: Black + Brown Hard chunks (Glass Like)

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark hard material Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top										—	—	—	—
Middle													
Bottom													

~~BB~~ * Very Hard Solids

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—				
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Organic Solids

TEST COMPATIBILITY RESULTS:

100172

SITE NAME Anzon Landfill SAMPLE NO: D-11 DRUM NUMBER D-11

GRID LOCATION FOUND: 25' from south corner on west fence line STAGING LOCATION:

LOGGER: Jim Kevins SAMPLER: ERRS (K. Gallagher / I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 09:30

Sampled Nov 2, 1998 1540

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	(Dented)
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 (55) 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Poxy material Oil, Syrup, Viscous Watery, Paste, (Chunks) Gel, Spongy, Soaplike Soft, (Hard), Powder Crystal Granular, Rubber	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE	AIR	WATER
TOP										–	–	–	–
MIDDLE													
BOTTOM													

Very Hard Material Black Chunks (Glass Like)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	–	/	–	–	/	/	– /	/
Middle		/		/			/	/	/	/
Bottom		/		/			/	/	/	/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated - organic Solids

TEST COMPATIBILITY RESULTS

100173

SITE NAME Amenia Landfill SAMPLE NO: D-12 DRUM NUMBER D-12

GRID LOCATION FOUND: 25' from STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: K. Gallagher + I. Wall

PROJECT NUMBER: DATE/TIME: Oct. 22 1999 09:35

Sampled: November 4, 1998 1422

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 Gal.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI Background RAD METER____ OTHER____

Air Monitoring/Sample HNU 0 CGI Background

PHYSICAL DESCRIPTION: Brown - Cloth

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP			✓			Cloth Pieces				—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON-Regulated - Organic Solids

TEST COMPATIBILITY RESULTS

100174

SITE NAME Amenia Landfill SAMPLE NO: D-13 DRUM NUMBER D-13 ✓

GRID LOCATION FOUND: 25' from southeast corner 5' from west tree line STAGING LOCATION:

LOGGER: Jim Keyes SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 09:40

Sampled - Nov. 4, 1998 1350

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 20 OVA ____ CGI Background RAD METER ____ OTHER ____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	white clay material Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						White				—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCS
Top	7	/	—	—	—	—	/	/	—	/
Middle		/					/	/		/
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100175

SITE NAME: Amelia Landfill SAMPLE NO: D-14 DRUM NUMBER: D-14

GRID LOCATION FOUND: 25' from Southeast 10' in from West Fence STAGING LOCATION:

LOGGER: Jim Kenar SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 10:05

Sampled Nov 4 1998 1020

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	(Dented)
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 (55) 42 30 15 10 5 (Other) 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 1 unit OVA____ CGI Background RAD METER____ OTHER____

Air monitor sample 550 3-4

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal Granular, Rubber Soil + RUST MATERIAL	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100176

SITE NAME Amenia Landfill SAMPLE NO: D-15 DRUM NUMBER D-15

GRID LOCATION FOUND: 25' from far south corner 10' from west tree line STAGING LOCATION:

LOGGER: Jim Kerr SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 24 1998 10:10

Sampled Nov. 4, 1998 0945

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 5 unity OVA ____ CGI background RAD METER ____ OTHER ____

Air monitor sample 5 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber soil + white material	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	
TOP										—	—	— —
MIDDLE												
BOTTOM												

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle		/					/	/		/
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solids

TEST COMPATIBILITY RESULTS

100177

SITE NAME Amenin Landfill SAMPLE NO: D-16 DRUM NUMBER D-16

GRID LOCATION FOUND: 25' from south and 10' from west tree line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 10:10

DRUM DESCRIPTION Sampled Nov. 4, 1998 1000

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

Air Monitor Sample HNU 0 CGI background

PHYSICAL DESCRIPTION: Soil like

Layers			Physical			Color/Description	Clarity			Solubility		
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	
TOP			✓			Brown			✓	—	—	— —
MIDDLE												
BOTTOM												

(Soil Like)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	—		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solids

TEST COMPATIBILITY RESULTS

100178

SITE NAME Amerin Landfill SAMPLE NO: D-17 DRUM NUMBER D-17

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Keovns SAMPLER: ERRS (K. Gallagher - J. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 10:50

DRUM DESCRIPTION Sampled Nov 4, 1998 1515

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 with OVA____ CGI background RAD METER____ OTHER____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber BROWN SOIL	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE
TOP										-	-
MIDDLE											
BOTTOM											

Brown Soil + Rags

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	-		-	-	-	-	-		-	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated - Inorganic Solids

TEST COMPATIBILITY RESULTS

100179

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Jim Kearns

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 22 1998 10:55

Sampled Nov. 4, 1998 1505

DRUM DESCRIPTION:

CONSTRUCTION				TYPE		CONDITION		
FIBER		POLY		POLY LINED		OVERPACK	RUSTED	LEAKING	DENTED
STEEL		NICKEL		OPEN TOP		RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI 0 (background) RAD METER ___ OTHER ___

Air Monitor Sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Muddy Material Oil. Syrup. Viscous. Watery. Paste. Chunks. Gel. Spongy. Soaplike. Soft. Hard. Powder Crystal. Granular. Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Muddy Like				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

N.O.D - Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100180

SITE NAME: Amenia Town Landfill SAMPLE NO: D-19 DRUM NUMBER: D-19

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 22 1998 11:15

DRUM DESCRIPTION: Sampled - November 4, 1998 1458

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNU 0 OVA____ CGI background RAD METER____ OTHER____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

	Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil and crystal - Oil. Syrup. Viscous. Watery. Paste. Chunks. Gel. Spongy. Soaplike. Soft. Hard. Powder Crystal Granular. Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top							White solid				—	—	—	—
Middle														
Bottom														

White Crystal like Hard solid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		*	—	—	—	—		—	—
Middle										
Bottom										

* Neg Ign But will spatter in Flame

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solid

TEST COMPATIBILITY RESULTS:

100181

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: SW location

STAGING LOCATION:

SAMPLER: ERRS (K. Gallagher + I. Webb)

LOGGER: Jim Kearns

DATE/TIME: October 22 1998 11:17

PROJECT NUMBER: 3313-98-3036 - WRS

Sampled Nov. 3, 1998 1550

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION	
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING
STEEL	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED
STAINLESS STEEL	OTHER	CLOSED TOP		OTHER	

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 20 unity 145 OVA____ CGI background 0 RAD METER____ OTHER____

Air Monitor Sample

PHYSICAL DESCRIPTION:

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil,	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
							Watery,	Paste,	Chunks,							
							Gel,	Spongy,	Soaplike,							
							Soft,	Hard,	Powder Crystal,							
							Granular,		Rubbery							
Top				Soil			Brown Granular/Purple Mush						—	—	—	—
Middle																
Bottom																

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

MOU Regulated Organic Solid

TEST COMPATIBILITY RESULTS:

100182

SITE NAME Amen'n Landfill SAMPLE NO: D-21 DRUM NUMBER D-21

GRID LOCATION FOUND: 35' from South and 10' from West fence line STAGING LOCATION:

LOGGER: Jim Kerns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 21 1998 11:35

Sampled Nov 4, 1998

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 100 OVA____ CGI background RAD METER____ OTHER____

Air Monitor Sample 150 CGI-18 Oxygen

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Dark hard oily material Cloth like				—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfice	PCB
Top	7	/	—	—	—	/	/	/	—	/
Middle										
Bottom		/								

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated - Organic Contaminated Solid

TEST COMPATIBILITY RESULTS

100183

SITE NAME Amerin Landfill SAMPLE NO: D-22 DRUM NUMBER D-22

GRID LOCATION FOUND: 35' from the south and 10' from west tree line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 26 1998 11:45

Sampled Nov. 4, 1998 1412

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 2 OVA ____ CGI background RAD METER ____ OTHER ____

Air monitoring sample 25 CGI-5 LEL

PHYSICAL DESCRIPTION (Soil like)

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil + white material Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not + wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	✓	—	—	—	✓	✓	✓	—	✓
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solids

TEST COMPATIBILITY RESULTS

100184

SITE NAME Amoin Landfill SAMPLE NO: D-23 DRUM NUMBER D-23

GRID LOCATION FOUND: 35' from South end 10' from west fence line STAGING LOCATION:

LOGGER: Jim Kenny SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 22 1998 11:50

Sampled November 4, 1998 1015

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI background RAD METER____ OTHER____

Air monitoring sample 230 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	white clay material Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						white				—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	/	/	—	—	—	—	/	/	—	/
Middle										
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NJ Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100185

SITE NAME Amerin Landfill SAMPLE NO: D-24 DRUM NUMBER D-24

GRID LOCATION FOUND: 35' from South 10' in from west tree line STAGING LOCATION:

LOGGER: Jim Kerns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 14:50

Sampled. Nov. 2, 1998 1550

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	(Rusted)	Leaking	(Dented)
(STEEL)	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 (55) 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI background RAD METER____ OTHER____

Air Monitoring sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Brown Soil Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal (Granular) Rubber	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

Brown Soil Like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solids

TEST COMPATIBILITY RESULTS

100186

SITE NAME Anenin Landfill SAMPLE NO: D-25 DRUM NUMBER D-25

GRID LOCATION FOUND: 35' from south end 12' from west tree line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: Oct. 22 1998 14:56

Sampled Nov 2, 1998. 1555

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI background RAD METER____ OTHER____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Liquid + Soil Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Deep Yellow Liquid		✓		+	–	–	–
MIDDLE													
BOTTOM						Dark Yellow Crystal			✓	–	–	–	–

Two separate samples

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	1		–	–	–	+			–	
Middle										
Bottom	1		–	–	–	+			–	

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Acidic - Inorganic - Liquid - High Chloride

TEST COMPATIBILITY RESULTS

100187

SITE NAME Amerix N.Y. SAMPLE NO: _____ DRUM NUMBER D-26

GRID LOCATION FOUND: 35' from South corner 15' in from east fence line STAGING LOCATION: _____

LOGGER: Jim Kearns SAMPLER: _____

PROJECT NUMBER: _____ DATE/TIME: October 22 1993 15:00

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI bk-ground RAD METER____ OTHER____

PHYSICAL DESCRIPTION: 120 Sample - Medical Waste

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Glass pieces white							
MIDDLE						petri dishes - filled							
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfice	PCB
Top										
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

TEST COMPATIBILITY RESULTS

100188

SITE NAME Hyrein SAMPLE NO: D-27 DRUM NUMBER D-27

GRID LOCATION FOUND: 35' from south corner 15' from west tree line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: FRRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 22 1998 15:10

Sampled November 3, 1998 1015

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 100 OVA____ CGI 0 (background) RAD METER____ OTHER____

Air monitoring sample 0

PHYSICAL DESCRIPTION: Note — product was put on top of drum.

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber Black Sludge	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	+	—	—
MIDDLE													
BOTTOM	33"												

Was sampled as a solid

Black oily sludge

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated — Organic Sludge

TEST COMPATIBILITY RESULTS

100189

SITE NAME:

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Jim Kearns

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: Oct. 22 1999 15:22

DRUM DESCRIPTION: Sampled. Nov 3, 1998 1005

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED	
STEEL	✓	NICKEL		OPEN TOP	✓	RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background 0 RAD METER____ OTHER____

Air Monitoring Sample

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery, Soil white powder			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil w/ white Particles						—	—	—	—
Middle															
Bottom															

Soil like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100190

SITE NAME: Amenia Town Landfill SAMPLE NO: D-29 DRUM NUMBER:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 22 1998 15:30

DRUM DESCRIPTION: Sampled - November 4, 1998 1525

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING	DENTED
STEEL		NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED	GOOD
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background 0 RAD METER____ OTHER____

Air Sample Monitor

PHYSICAL DESCRIPTION: off white solid with Dirt

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil (brown) - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						white chunky dirt on top						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100191

SITE NAME:

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Jim Kearns

SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 22 1998 15:35

Sampled - November 4, 1998 1605

DRUM DESCRIPTION:

CONSTRUCTION			TYPE			CONDITION		
FIBER	POLY		POLY LINED	OVERPACK		(RUSTED)	LEAKING	(DENTED)
(STEEL)	NICKEL		(OPEN TOP)	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	(55)	42	30	15	10	5	Other 85 OP

MFG NAME	
CHEMICAL NAME	
DRUM MARKINGS	
DRUM LABELS	

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

Air monitor sample 0 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	soil purple material Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top						Foam Like Material						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	—
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Organic Material

TEST COMPATIBILITY RESULTS:

100192

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: 30' from South end 10' from West fence line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Oct. 22 1998 15:45

DRUM DESCRIPTION: Sampled Nov 4, 1998 1405

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air monitor Sample 25 0

PHYSICAL DESCRIPTION:

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oily red material - Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
							Watery.	Paste.	Chunks.							
							Gel.	Spongy.	Scaplike.							
							Soft.	Hard.	Powder Crystal.							
							Granular.		Rubbery							
Top							dirt visible						—	—	—	—
Middle																
Bottom																

~~[illegible]~~ Reddish Solid (Looks like Dried Paint)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solids

TEST COMPATIBILITY RESULTS:

100193

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Jim Kearns

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 22 1998 15:52

Sampled. November 3, 1998 0830

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER __	POLY __	POLY LINED __	OVERPACK __	RUSTED __	LEAKING __	DENTED __
STEEL __	NICKEL __	OPEN TOP __	RING TOP __	BULGING __	PERFORATED __	GOOD __
STAINLESS STEEL __	OTHER __	CLOSED TOP __		OTHER __		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air Monitor Sample

PHYSICAL DESCRIPTION: Blue - Soft Solid - (Looks Like Dried Paint)

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Scaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						purple blue material on bottom						+	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	8		—		—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic ~~Liquid~~ Solid

TEST COMPATIBILITY RESULTS:

100194

SITE NAME: Amenia Town Landfill SAMPLE NO.

GRID LOCATION FOUND: 70' from south corner 10' from west tree line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: 16:00 Oct. 22 1998

Sampled Nov. 4, 1998 1540

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED	_
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 400 units OVA____ CGI background RAD METER____ OTHER____

Air Monitor Sample 2 0

PHYSICAL DESCRIPTION:

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL		Brown clay - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top							blue paste material						—	—	—	—
Middle																
Bottom																

Brown Rubbery solids

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Solids

TEST COMPATIBILITY RESULTS:

SITE NAME: Amenia Town Landfill SAMPLE NO.:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Keams SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 22 1998 16:05

Sampled: November 3, 1998

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK		RUSTED	_	LEAKING	_	DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED		GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 units OVA ___ CGI background RAD METER ___ OTHER ___

Air Monitor Sample 0 0

PHYSICAL DESCRIPTION:

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil,	Syrup, (purple)	Viscous, thick	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
							Watery,	Paste,	Chunks,							
							Gel,	Spongy,	Soaplike,							
							Soft,	Hard,	Powder Crystal,							
							Granular,		Rubbery							
Top							purple		viscous				—	+	—	—
Middle																
Bottom																

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - organic liquid

TEST COMPATIBILITY RESULTS:

SITE NAME: [illegible]

GRID LOCATION FOUND: 30' from South end 15' from West fence STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 22 1998 16:12

DRUM DESCRIPTION: Sampled November 4, 1998 1450

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background 0 RAD METER____ OTHER____

Air monitor Sample 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown Soil Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Light Brown - Soil like						—	—	—	—
Middle															
Bottom															

It floats on water

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chlorice	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Solid

COMPATIBILITY RESULTS:

100197

SITE NAME: Amerada Hess Corporation

GRID LOCATION FOUND: 30' from south end 10' from west fence line STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Oct. 22 1999 16:30

DRUM DESCRIPTION: Sample. November 4, 1998 1445

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

Air monitor sample 3 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Black - Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Black - Tar like						—	+	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Organic, Sludge

TEST COMPATIBILITY RESULTS:

100198

SITE NAME: Amelia Town Landfill SAMPLE NO.: [illegible]

GRID LOCATION FOUND: 55' from south end - ~~middle~~ of area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (K. Gallagher + J. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Oct. 28 1998 10:00

Sampled November 3, 1998 0805

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

Air Monitor Sample .5 CGI - 19% O_2

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID (Brown)	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top		✓				Brown liquid / <1% settled solids				✓		+	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom		/								

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic liquid

TEST COMPATIBILITY RESULTS:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: ERRS (R. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Oct. 23 1998 11:27

DRUM DESCRIPTION: Sampled Nov 3, 1998 0745

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_		

DENTED _ GOOD _

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 4 units OVA____ CGI 5 bar/1 gas RAD METER____ OTHER____

Air monitoring Sample CGI - 11% oxygen

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASES	INCHES	LIQUID	SOLID	SLUDGE	GEL	oily black 1 - Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						purple viscous					✓	—	+	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Liquid

TEST COMPATIBILITY RESULTS:

100200

SITE NAME: Ahlema Town Landfill

GRID LOCATION FOUND: STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Oct 26 1115

Sampled Nov 3, 1998 1430

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL ✓	NICKEL	OPEN TOP X lid open	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP		OTHER		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 20-25 (0-200) OVA ___ CGI OBA Ukground RAD METER ___ OTHER ___

Air Monitor Sample 20-25 CGI - 0

PHYSICAL DESCRIPTION: Solid crystal Like Material.

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, ~~Syrup~~, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						White Crystal				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solid

COMPATIBILITY RESULTS:

100201

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Weddleton SAMPLER: ERRS (x Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT 26 1130

Sampled - Nov 3, 1998 1345

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED ✓	LEAKING _	DENTED ✓
STEEL ✓	NICKEL _	OPEN TOP ✓	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons): 85 (55) 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS: Dow Corning - got from picture (W)

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 19 (Oxygen) RAD METER____ OTHER____

Air Monitor Sample 0 CGI - 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	BROWN SOIL - Oil, Watery, Gel, Soft, Granular	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Dirt Like						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	8		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic, Solid

TEST COMPATIBILITY RESULTS:

100202

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Wadleton SAMPLER: OCT 26 1998 1140 ERES K. Gall, I Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: ↓ ↓

DRUM DESCRIPTION: Sampled Nov 3, 1998 1425

CONSTRUCTION				TYPE				CONDITION			
FIBER	—	POLY	—	POLY LINED	—	OVERPACK	—	RUSTED	—	LEAKING	—	DENTED	—
STEEL	✓	NICKEL	—	OPEN TOP	✓	RING TOP	—	BULGING	—	PERFORATED	—	GOOD	—
STAINLESS STEEL	—	OTHER	—	CLOSED TOP	—			OTHER	—				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNU 25-60 OVA____ CGI ~~25-40~~ 0/200 RAD METER____ OTHER____

Air Monitor: Sample 0 of 200 0 Background (19)

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						off white Chucks									
Middle															
Bottom															

(Looks like Dried Paint)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solid

T COMPATIBILITY RESULTS:

100203

GRID LOCATION FOUND: SW Location

STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton

SAMPLER: ~~ØA~~ ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: OCT 26 1152

Sampled Nov. 3, 1998 1335

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED ✓	LEAKING ✓	DENTED ✓
STEEL ✓	NICKEL	OPEN TOP ✓	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP		OTHER		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ~~0 Background~~ CGI 0 Background OTHER

Air Monitor Sample 0 CGI 0 (19)

PHYSICAL DESCRIPTION: Gray sticky material

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top		~~—~~				Yellowish / watery		✓		+	—	—	—
Middle													
Bottom				—		off white / sludge			✓	+	—	—	—

* Note: these Layers will mix into an Emulsion

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	8		—	—	—	—	—		—	
Middle										
Bottom	8		—	—	—	—	—		—	

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Liquid

ST COMPATIBILITY RESULTS:

100204

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT 26, 1998, 1210

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION		
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	LEAKING	DENTED
STEEL	✓	NICKEL		OPEN TOP		RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 5 (Air Monitor Sample) 0 OVA____ CGI 0 (Background 19) CGI 0 METER____ OTHER____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown Soil			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Oil,	Syrup,	Viscous,							
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						Brown Soil like						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	2		—	—	—	+	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic, Solid - Low pH - Chloride

T COMPATIBILITY RESULTS:

100205

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Jim Kearns Bill Waddleton SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT 26, 1998/1400

DRUM DESCRIPTION: Sampled Nov 3, 1998 1110

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	X	LEAKING	X	DENTED	X
STEEL	✓	NICKEL	_	OPEN TOP	X	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI ____ RAD METER ____ OTHER ____

AIR MONITER SAMPLE 0 Background

PHYSICAL DESCRIPTION: Liquid (Muddy), Dark Green Color. 0 CGI

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown Clay Material Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Scaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top												+	—	—	—
Middle															
Bottom	23 in														

Very Heavy Clay Like Material

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	—	—	—	—	+	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated — Inorganic Solid - Low PH

T COMPATIBILITY RESULTS:

100206

SITE NAME: Amenia Town Landfill SAMPLE NO: D-45 DRUM NUMBER:

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT. 26, 1998 1450

DRUM DESCRIPTION: Sampled Nov 3, 1998 1135

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED X	LEAKING _	DENTED X
STEEL X	NICKEL _	OPEN TOP X	RING TOP _	BULGING _	PERFORATED X	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OF

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI____ RAD METER____ OTHER____

Air Monitor Sample 0 0 Background

PHYSICAL DESCRIPTION: ~~Solidified white color~~ Soil Like Material CGI - 0

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil - brown white Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						soil - brown white				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100207

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton

SAMPLER: ERRS (K Gallagher + I Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 26, 1998 1458

Sampled: November 3, 1998 1057

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED X	LEAKING ___	DENTED ___
STEEL X	NICKEL ___	OPEN TOP X	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER X Broken up drum		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI 0 Background RAD METER ___ OTHER ___

AIR MONITOR SAMPLE HNu 0 CGI 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown soil - white rock matt Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						White Chunks				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solid

TEST COMPATIBILITY RESULTS:

100208

SITE NAME: Amenia Town Landfill SAMPLE NO: D-47 DRUM NUMBER:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Jim Kearns Bill Waddleton SAMPLER: ERRS (K. Gallagher & T. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT 26, 1998 1502

DRUM DESCRIPTION: Sampled Nov 3, 1998 1418

CONSTRUCTION			TYPE		CONDITION		
FIBER		POLY	POLY LINED	OVERPACK	RUSTED ✓	LEAKING ✓	DENTED ✓
STEEL	✓	NICKEL	OPEN TOP ✓	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER	CLOSED TOP		OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 110 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI____ RAD METER____ OTHER____

AIR MONITOR SAMPLE HNU 0 BACKGROUND CGI 0

PHYSICAL DESCRIPTION: Dark, Deep ~~Purple~~ Red Color.

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil - Red material (pieces) - Oil. Watery. Gel. Soft. Granular.	Syrup. Paste. Spongy. Hard.	Viscous. Chunks. Scaplike. Powder Crystal. Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top												—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS Reddish Brown Soil like with Red Specks (Looks Like Floor Sweeping Compound)

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	✓	—	—	—	—	—	✓	—	✓
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solids

TEST COMPATIBILITY RESULTS:

100209

SITE NAME: Amelia-Town Landfill SAMPLE NO.:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT 26, 1998 1510

Sampled - Nov 3, 1998 1500

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	X	LEAKING	_
STEEL	✓	NICKEL	_	OPEN TOP	✓	RING TOP	_	BULGING	_	PERFORATED	X
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_		

CENTED X

GOOD _

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI____ RAD METER____ OTHER____

Air MONITOR SAMPLE HNU 0 0 Background

PHYSICAL DESCRIPTION: Light Brown Liquid. CGI 0

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown (red) Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top		1				Deep Yellow Brown						+	—	—	—
Middle															
Bottom															

(Iodine Like)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	1		—	—	—	+	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Acetic Acid - with Chlorides

TEST COMPATIBILITY RESULTS:

100210

SITE NAME: Amenia Town Landfill SAMPLE NO: D-49 DRUM NUMBER: D-49

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 26, 1998 1525

Sampled Nov. 3, 1998 1105

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION					
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	X	LEAKING	X	DENTED	X
STEEL	X	NICKEL		OPEN TOP	X	RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI ____ RAD METER ____ OTHER ____

Air Monitor Sample HNU 0 Background CGI 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown Soil. Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil like						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100211

SITE NAME: Amenia Town Landfill SAMPLE NO: D-30 DRUM NUMBER:

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: ~~Jim Kearns~~ Bill Waddleton SAMPLER: ERRS (K. Gallagher - I Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCT 26, 1998 1530

Sampled Nov 3, 1998 1050

DRUM DESCRIPTION:

CONSTRUCTION			TYPE			CONDITION		
FIBER		POLY	POLY LINED		OVERPACK	RUSTED X	LEAKING X	DENTED X
STEEL	X	NICKEL	OPEN TOP	X	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER	CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 850P
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI____ RAD METER____ OTHER____

AIR MONITOR SAMPLE HNU 0 0 Background CGI 0

PHYSICAL DESCRIPTION: Oily light Brown Liquid

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown Clay Matl. Oil. Syrup. Viscous. Watery. Paste. Chunks. Gel. Spongy. Soaplike. Soft. Hard. Powder Crystal. Granular. Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Clay Lite						P	—	—	—
Middle															
Bottom															

P = Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	3		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solids

TEST COMPATIBILITY RESULTS:

100212

SITE NAME Arenia Landfill SAMPLE NO: D-51 DRUM NUMBER D-51

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 DATE/TIME: Oct 26, 1998 1538

Sampled Nov 3, 1998 1405

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 110 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI____ RAD METER____ OTHER____

AIR MONITOR SAMPLE HNU 0 0 Background. CGI 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	white + brown soil Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

(Looks like Floor Sweepings Compost)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated - Inorganic Solids

TEST COMPATIBILITY RESULTS

100213

DRUM ENTRY LOG

SITE NAME Avenia Town Landfill SAMPLE NO: D-52 DRUM NUMBER D-52

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 26, 1998 ~~1540~~/1600 (BW)

Sampled Nov 3, 1998 1025

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ___ CGI 0 Background RAD METER ___ OTHER ___

AIR MONITOR SAMPLE HNU 01-2 CGI 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Clay material Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	LIQUID	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Tan				—	—	—	—
MIDDLE													
BOTTOM													

Looks Like floor Sweepy Compound

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chlorice	Peroxide	Mercury	Sulfice	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Reg. Listed - Inorganic Solids

TEST COMPATIBILITY RESULTS

100214

SITE NAME Amenia Landfill SAMPLE NO: D-53 DRUM NUMBER D-53

GRID LOCATION FOUND: SW area STAGING LOCATION: ~~[illegible]~~

LOGGER: Bill Waddleton SAMPLER: K. Gallagher + J. Webb

PROJECT NUMBER: DATE/TIME: OCT 28, 1998 1605

Sampled: Nov 3, 1998 1410

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other (EMPTY)		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGO Background PROMETER ____ OTHER ____

PHYSICAL DESCRIPTION: Brown (Soil Like)

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP				+		Brown-Clay like				—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Reg - Inorganic Solid

TEST COMPATIBILITY RESULTS

100215

SITE NAME Arvia Landfill SAMPLE NO: D-54 DRUM NUMBER D-54

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: OCT 26, 1998 1630

Sampled Nov 3, 1998 1040

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

AIR MONITOR SAMPLE HNU 0 Background CGI 0

PHYSICAL DESCRIPTION: Solidified Material

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber white-brown clay matl	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Waste				—	—	—	—
MIDDLE													
BOTTOM													

Looks Like Dried Paint Stains

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated organic Solid

TEST COMPATIBILITY RESULTS

100216

DRUM ENTRY LOG

SITE NAME Arenia Landfill SAMPLE NO: D-55 DRUM NUMBER D-58 (*)

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + T. Webb)

PROJECT NUMBER: DATE/TIME: OCT 26, 1998 1615

Sampled NOV 3, 1998 1120

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other no. op

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNU 0 OVA____ CGI 0 RAD METER____ OTHER____

AIR MONITOR SAMPLE HNU 0 Background

PHYSICAL DESCRIPTION: Black Thick Paste, Tar Like Liquid

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Black - Tar like				—	—*	—	—
MIDDLE													
BOTTOM													

* Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated - Organic Material

TEST COMPATIBILITY RESULTS

100217

SITE NAME Anemia Landfill SAMPLE NO: D-56 DRUM NUMBER D-56

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 27, 1998 945

Sampled Oct. 29, 1998 0852

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNU 0 OVA____ CGI____ RAD METER____ OTHER____

AIR MONITORING-SAMPLE EVENT HNU 35/50 0 Background 0 Background

PHYSICAL DESCRIPTION: Crushed drum with dirt and soil

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery, Paste, Chunks							
						Gel, Spongy, Scaplike							
						Soft, Hard, Powder Crystal							
						Granular, Rubber TAR LIKE MATL							
TOP						Black-Tar like				—	P	—	—
MIDDLE													
BOTTOM													

~~Pts~~ Portal

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	L		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated - Organic Material

TEST COMPATIBILITY RESULTS

100218

SITE NAME Anemia Landfill SAMPLE NO: D-57 DRUM NUMBER D-57

GRID LOCATION FOUND: SW Corner STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + J. Webb)

PROJECT NUMBER: DATE/TIME: October 27, 1998 0950

Sampled Oct 29, 1998 1500

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other Crushed		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 Background RAD METER____ OTHER____

AIR MONITORING SAMPLING EVENT HNu 35 0 Background

PHYSICAL DESCRIPTION: Crushed drum with dirt and soil

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery, Paste, Chunks							
						Gel, Spongy, Scaplike							
						Soft, Hard, Powder Crystal							
						Granular, Rubber							
TOP						Offwhite/Blue/Brown			✓	—	—	—	—
MIDDLE													
BOTTOM													

Lockis Lake Floor Sweepings

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	6	/	—	—	—	—	—	/	—	/
Middle										
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated - Emergent Material

TEST COMPATIBILITY RESULTS

100219

SITE NAME Anemia Landfill SAMPLE NO: D-58 DRUM NUMBER D-58

GRID LOCATION FOUND: SW Corner STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 27, 1998 0953

Sampled Oct 29, 1998 0910

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other Crushed		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 850P

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 250 OVA____ CGI 0 RAD METER____ OTHER____

AIR MONITORING SAMPLING event 300 Background

PHYSICAL DESCRIPTION: SOIL + Dark colored Soil 0/2,000 0 Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber clay material	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Brown				—	—	—	—
MIDDLE													
BOTTOM													

Soil like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON-Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100220

SITE NAME Anemia Landfill SAMPLE NO: D-57 DRUM NUMBER [illegible]

GRID LOCATION FOUND: SW Corner STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 27, 1998 1003

Sampled: October 29, 1998 1515

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 ~~Back~~ ground RAD METER ____ OTHER ____

Air monitoring sampling event 0 Background

PHYSICAL DESCRIPTION: Red Solidified ~~product~~ material

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber Brown Soil pieces of red	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

Soil Like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100221

SITE NAME Anemia Landf SAMPLE NO: D-60 DRUM NUMBER D-60

GRID LOCATION FOUND: SW Corner STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 8 7, 1998 1008

Sampled Oct 29, 1998 0920

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
(STEEL)	NICKEL	(Open Top)	Ring Type	Bulging	(Perforated)	Good
STAINLESS	OTHER	Closed Top		Other Crushed		

DRUMS SIZ (Gallons): 85 (55) 42 30 15 10 5 (Other) 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 Background RAD METER ____ OTHER ____

Air monitoring single event 17 Oxygen

PHYSICAL DESCRIPTION: ~~Red + Purple Material~~ 30 0 LEL

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike (Soft), Hard, Powder Crystal Granular, Rubber ~~Clay-like material~~	CLEAR	CLOUDY	(OPAQUE)	WATER	HEXANE	AIR	WATER
TOP						White				P	—	—	—
MIDDLE													
BOTTOM													

* Looks Like Dried Paint P= Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	>	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100222

SITE NAME Avenue Landfill SAMPLE NO: D-61 DRUM NUMBER D-61

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher - T. Webb)

PROJECT NUMBER: DATE/TIME: October 27, 1998 ~~1430~~ 1110

Sampled Oct. 29, 1998 1143

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 Background RAD METER____ OTHER____

AIR MONITORING Sampling Locat 60 0 Background

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						White				P	—	—	—
MIDDLE													
BOTTOM													

Looks Like Paint Skins

P = Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100223

SITE NAME Anerma Land Fill SAMPLE NO: D-62 DRUM NUMBER D-62 (white overpack)

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: DATE/TIME: October 27, 1998 1120

Sampled Oct. 29, 1998 0935

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 110 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 8-9 OVA____ CGI____ RAD METER____ OTHER____

AIR monitoring

PHYSICAL DESCRIPTION: ~~Purple meter TAT~~

0 Background
Oxygen - 18
LEL - 0

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber BROWN SOIL	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

Brown with Red Flakes (Looks Like Floor Sweeping Compound)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100224

SITE NAME Amenia Landfill SAMPLE NO: D-63 DRUM NUMBER D-63

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: October 27, 1998 1134

Sample: October 29, 1998 0935

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 140 OVA____ CGI____ RAD METER____ OTHER____

AIR monitoring sample event 0/200 0 Background

PHYSICAL DESCRIPTION: Brown Soil like 60/64 HNU 0 Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Scaplike Soft, Hard, Powder Crystal Granular Rubber brown clay	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Brown				—	—	—	—
MIDDLE													
BOTTOM													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100225

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Webbleton SAMPLER: ERRS (K. Gallagher + I. Webb) Overpac.

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1140

DRUM DESCRIPTION: Sampled: Oct 29, 1998 1450

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	✓	LEAKING	✓	DENTED	
STEEL	✓	NICKEL		OPEN TOP	✓	RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 110 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 Background RAD METER____ OTHER____

Air monitoring sampling event 0 Background

PHYSICAL DESCRIPTION: ~~Deep purple~~ Color

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	TAR LIKE MATERIAL - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Black Oily Material						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	+	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organics Sludge chlorinated

TEST COMPATIBILITY RESULTS:

100226

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1150

DRUM DESCRIPTION: Sampled Oct. 29, 1998 1525

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY ✓	POLY LINED _	OVERPACK _	RUSTED ✓	LEAKING ✓	DENTED ✓
STEEL _	NICKEL _	OPEN TOP ✓	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other SSOP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 Background RAD METER____ OTHER____

Air monitoring sample event 13.5, 0/20 0 Background

PHYSICAL DESCRIPTION: Light Brown oily liquid (DARK)

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oily	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						Deep Yellow						+	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	1		—	—	—	+	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Acid Liquid - High Chloride

WASTE COMPATIBILITY RESULTS:

100227

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher, I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1200

DRUM DESCRIPTION: Sampled Oct. 29, 1998 1132

CONSTRUCTION			TYPE			CONDITION		
FIBER		POLY	POLY LINED		OVERPACK	RUSTED	LEAKING	DENTED
STEEL	✓	NICKEL	OPEN TOP		RING TOP	BULGING	PERFORATED	GOOD
Plastic Bag Liner								
STAINLESS STEEL		OTHER	CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP

MFG NAME	
CHEMICAL NAME	
DRUM MARKINGS	
DRUM LABELS	

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 / 0 OVA____ CGI 0 Background 0 RAD METER____ OTHER____

Air monitoring sampling event

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light - Brown Dark Soil			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Oil,	Syrup,	Viscous,							
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						White + Brown Solid						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS Looks like Paint + Soil ~~[illegible]~~

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCS
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic, Solid

[illegible]T COMPATIBILITY RESULTS:

100228

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Wadleton SAMPLER: ERRS (K. Gallagher + J. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1425

DRUM DESCRIPTION: Sampled - October 29, 1998 0953

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_
STEEL	✓	NICKEL	_	OPEN TOP	✓	RING TOP	_	BULGING	_	PERFORATED	✓
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_		

DENTED _ GOOD _

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other: 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA _ CGI _ RAD METER _ OTHER _

Air Monitoring Sampling event 20 0 Background 0 Background

PHYSICAL DESCRIPTION: Crystal Like Material

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Scaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top													P	—	—	—
Middle																
Bottom																

White Granular Solid with Blue Flecks P = Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

COMPATIBILITY RESULTS:

100229

GRID LOCATION FOUND: Site Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCTOBER 27, 1998 1440

Sampled October 29, 1998 1430

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	✓	LEAKING		DENTED	X
STEEL	X	NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP	✓			OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other: 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 Back ground RAD METER____ OTHER____

Air Monitoring sampling event 2 0 Background

PHYSICAL DESCRIPTION:

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top							White Crystal						+	—	—	—
Middle																
Bottom																

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100230

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Wadleton SAMPLER: ERRS (K Gallagher - I Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1448

Sampled: October 29, 1998 1118

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	—	POLY	—	POLY LINED	—	OVERPACK	—	RUSTED	✓	LEAKING	—	DENTED	✓
STEEL	✓	NICKEL	—	OPEN TOP	—	RING TOP	—	BULGING	—	PERFORATED	—	GOOD	—
STAINLESS STEEL	—	OTHER	—	CLOSED TOP	✓			OTHER	—				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 Background RAD METER ____ OTHER ____

Air monitoring sampling event 10.5 0 Background

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Cl.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top			✓			White						Partial	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	11		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid — High pH

TEST COMPATIBILITY RESULTS:

100231

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: OCTOBER 27, 1998/1500

Sampled October 29, 1998 1158

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED	
STEEL	✓	NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP	✓			OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitoring sampling event 5C Background 0 Background

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Brown Clay Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Black Rubbery Solid				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	5	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Organic Solid

TEST COMPATIBILITY RESULTS:

100232

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1510

DRUM DESCRIPTION: Sampled Oct 29, 1998 1405

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	✓	LEAKING		DENTED	✓
STEEL	✓	NICKEL		OPEN TOP	N/A	RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP	X			OTHER	Hole, opening in side				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitoring Sampling event 15 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Lite green matrix - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top												—	—	—	—
Middle															
Bottom															

Green + Brown Chunks with Broken Glass

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solids

TEST COMPATIBILITY RESULTS:

100233

GRID LOCATION FOUND: Site Location

STAGING LOCATION:

LOGGER: Bill Webbleton

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 27, 1998 1520

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	X	LEAKING		DENTED	X
STEEL	X	NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED	X	GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP	/			OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air monitoring sample Background 0

PHYSICAL DESCRIPTION: ~~Purple powder Material~~

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown Soil - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown with Purple Flakes						—	—	—	—
Middle															
Bottom															

(Soil like)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100234

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher - J. Webb) 110

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998 1525

DRUM DESCRIPTION: Sampled October 29, 1998 1535

CONSTRUCTION			TYPE			CONDITION		
PLASTIC	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL X	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 110 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

Air monitoring sample

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 8 Background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Leaking Light Brown Color Liquid.

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top						Tan Liquid						+	—	—	—
Middle															
Bottom															

+ Solids Settle Out

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Liquid

TEST COMPATIBILITY RESULTS:

100235

GRID LOCATION FOUND: SW location

STAGING LOCATION: (white overpack) 110

LOGGER: Bill Wadleton

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 27, 1998 1535

DRUM DESCRIPTION: Sampled October 29, 1998 1540

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED	_
STEEL	(✓)	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	(55)	42	30	15	10	5	Other 110 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air Sample monitoring 2 background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Cl.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular		Rubbery							
Top						White Solid						+	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	/	/
Middle										
Bottom		/						/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100236

SITE NAME: Amenia ... (white overpack)

GRID LOCATION FOUND: SW Location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher + I. Webb) 110

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 27, 1998 1555

Sampled October 30, 1998 1130

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ✓	LEAKING ___	DENTED ✓
STEEL ✓	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP X		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 110. OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

Air monitor sample

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI 0 Background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: 75 A B C is part of the sample

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown C, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Viscous Wax				−	+	−	−
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	−	/	/	−	−	/	/	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated organic Waste

TEST COMPATIBILITY RESULTS:

100237

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallacher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 28, 1998 0920

DRUM DESCRIPTION: Sampled October 29, 1998 1555

CONSTRUCTION		TYPE		CONDITION		
STEEL ✓	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
	NICKEL _	OPEN TOP ✓	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER X Crushed		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air monitoring sample 0 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown soil - Oil, Watery, Gel, Soft, Granular	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100238

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: OCTOBER 27, 98 0930

Sampled October 29, 1998 1605

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_
STEEL	✓	NICKEL	_	OPEN TOP	✓	RING TOP	_	DENTED	_	BULGING	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			PERFORATED	_	GOOD	_
								OTHER	_		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitor sample 35 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Cl.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top						OFF White Crystal						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated inorganic Solid

TEST COMPATIBILITY RESULTS:

100229

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 27, 98 0940

DRUM DESCRIPTION: Sampled October 30, 1998 0935

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING	DENTED
STEEL	✓	NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED	GOOD
STAINLESS STEEL		OTHER		CLOSED TOP	✓			OTHER			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other: 85 OP

MFG NAME	
CHEMICAL NAME	
DRUM MARKINGS	
DRUM LABELS	

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitoring Sample 0 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						white OF white Crystals						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NW Regulated inorganic Solid

TEST COMPATIBILITY RESULTS:

100240

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 980947

DRUM DESCRIPTION: Sampled October 30, 1998 0910

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	✓	LEAKING		DENTED	✓
STEEL	✓	NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP	✓			OTHER					

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

Air monitoring sample

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 120 (200-250) OVA____ CGI 10 (20 LEL) RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Solid 0/2000 LEL

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Clay - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Dark Brown Rubbery Chuck				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Organic Solid

TEST COMPATIBILITY RESULTS:

100241

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 27, 1998 1005

Sampled, October 30, 1998 0750

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___ (Shut)	LEAKING ___	DENTED ___ (Shut)
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___ (Closed Shut)		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 68 OVA ___ CGI 0 Background 0 RAD METER ___ OTHER ___

Air monitoring sample

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown soil + rocks Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Red + Brown Rubbery Solid				—	—	—	—
Middle													
Bottom													

Clooks Like Dried Paint

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated ~~[illegible]~~ Organic Solid

TEST COMPATIBILITY RESULTS:

100242

SITE NAME: Amenia Town Landfill SAMPLE NO.:

GRID LOCATION FOUND: SW Location STAGING LOCATION:

LOGGER: Bill Wadleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 98 1025

Sampled: October 30, 1998 0820

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED X (Shut)		LEAKING	_
STEEL	X	NICKEL	_	OPEN TOP	_	RING TOP	_	DENTED X		BULGING	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP X				PERFORATED	_	GOOD	_
								OTHER	_		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 110 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air Monitoring Sample 0 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil,	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						White Chunk						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solids

TEST COMPATIBILITY RESULTS:

100243

GRID LOCATION FOUND: SW location STAGING LOCATION:

LOGGER: Bill Webbleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: 10/27/98 1020

DRUM DESCRIPTION: Sampled 10/30/98 0950

CONSTRUCTION			TYPE			CONDITION		
FIBER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER X (see description)		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

Airmonitoring Sample

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA 0 CGI 0 RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: White Powder (Clay)

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	white clay 1 - Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery.							
Top						White Rubbery Solid						+	—	—	—
Middle															
Bottom															

(Looks Like Dried Paint)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom		/						/		

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solid

COMPATIBILITY RESULTS:

100244

GRID LOCATION FOUND: Site Location STAGING LOCATION:

LOGGER: Bill Wellleton SAMPLER: ERRS (K. Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: October 27, 1998/1030

DRUM DESCRIPTION: Sampled October 30, 1998 0855

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED	✓	LEAKING		DENTED	✓
STEEL	✓	NICKEL		OPEN TOP		RING TOP		SHUT					
STAINLESS STEEL		OTHER		CLOSED TOP				BULGING		PERFORATED		GOOD	
								OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other: 110 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitor sample 10-20 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Combination Dark/Light Soil Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder, Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						White Soft Crystals						+	−	−	−
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		−	−	−	−	−		−	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100245

GRID LOCATION FOUND: Site location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K Gallagher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: OCTOBER 28, 1998 - 1340

DRUM DESCRIPTION: Sampled 10/30/98 1000

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED (SHOT) ✓	LEAKING	DENTED ✓
STEEL ✓	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP ✓		OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitor sample 0 Back ground 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil,	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						off white Crystal Chunks						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Salts

TEST COMPATIBILITY RESULTS:

100246

LOGGER: Bill Wallleton

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: October 28, 1998 / 1350

Sampled October 30, 1998 1010

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
[illegible]	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	✓	LEAKING	_
STEEL	✓	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	✓			OTHER	_		

Shut

DENTED _ GOOD _

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNU 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air monitor sample 0 Background 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil,	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						off White Soft Crystal						+	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	12		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid - High PH

TEST COMPATIBILITY RESULTS:

100247

GRID LOCATION FOUND: S(L) Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: OCTOBER 28, 1998 1405

DRUM DESCRIPTION: Sampled October 30, 1998 1030

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	✓	LEAKING	_
STEEL	✓	NICKEL	_	OPEN TOP	_	RING TOP	_	DENTED	_	BULGING	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	✓			PERFORATED	_	GOOD	_
								OTHER	Crushed Drum		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

Air monitoring sample

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 (0-20) OVA____ CGI 0 Background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Bright Red Material

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Soil (red) - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Red mixed with Soil						—	—	—	—
Middle															
Bottom															

* Contains Some Regs

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Material

TEST COMPATIBILITY RESULTS:

100248

GRID LOCATION FOUND: SW location

STAGING LOCATION:

LOGGER: Bill Wabbleton

SAMPLER: ERRS (K. Gallacher - I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME October 28, 1998 1445

DRUM DESCRIPTION: Sampled October 29, 1998 1510

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL ✓	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP Several Crushed Drums		OTHER _		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other _____
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

Air monitor sample

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 9/0/200 15-20 OVA____ CGI 0 Background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Dirt, soil + white clay material

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top						Soft White chunks						+	—	—	—
Middle															
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100219

GRID LOCATION FOUND: Middle Excavation STAGING LOCATION:

LOGGER: Bill Waddington SAMPLER: Ike Webb + K. Gallagher

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/5/98 1515

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 Drum 10 5 Other 85 O.P.

MFG NAME (Ashland Chemical) Color Lite Blue + white.

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0-50 OVA____ CGI 0 RAD METER____ OTHER____

PHYSICAL DESCRIPTION: [illegible]

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber TAR LIKE	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Brown Pasty Sludge				−	+	−	−
MIDDLE													
BOTTOM	Kin												

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		−	−	−	−	−		−	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated - Organic Sludge

TEST COMPATIBILITY RESULTS

100250

SITE NAME Amenia Landfill SAMPLE NO: D-84 DRUM NUMBER D-84

GRID LOCATION FOUND: Middle Excavation STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: I. Webb + K. Gallagher (ERRS)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/5/98 1540

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 50-55 OVA 0/200 CGI 0 RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Label — 12ed Products

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES Full Drum	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Amber Chunks			✓	—		—	
MIDDLE									✓				
BOTTOM									✓				

(Looks Like Dried Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	✓	—	—	—	—	—	✓	—	✓
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Organic Solids

TEST COMPATIBILITY RESULTS

100251

GRID LOCATION FOUND: NW Location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: November 6 1998 0800

(Sample + Drum Log)

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL X	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP	X Gash in Top of Drum	OTHER	X Covered w/ Dirt	

Light Blue 55 gal Drum

DRUMS SIZE (Gallons) 85 (55) 42 30 15 10 5 Other 85 C.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Ashland Chemical Drum - Color Light Blue + White

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 1-2 0/20 OVA ___ CGI 0 RAD METER ___ OTHER ___

(Sample)

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
					Solid								
Top						Amber Chunks				—	—	—	—
Middle													
Bottom	33 in.												

(Looks like Dried Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solids

TEST COMPATIBILITY RESULTS:

100252

GRID LOCATION FOUND: NW Location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher & I Webb)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: November 6 1998 810 (Sample + Drum Log)

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	Light Blue 55 gal Drum RUSTED ___ LEAKING ___ DENTED ___
STEEL ✓	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___ PERFORATED ___ GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ✓		OTHER ___

DRUMS SIZE (Gallons) 85 (55) 42 30 15 10 5 Other 550 P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS (Same as D-90) Ashland Chemical

FIELD AIR MONITORING INSTRUMENT READINGS: (Sample Monitoring) HNu 0 HNU-C OVA ___ CGI 0 CGI-C RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Amber Chunks				—	—	—	—
Middle													
Bottom	30 in												

(Looks Like Dried Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Solid

TEST COMPATIBILITY RESULTS:

100253

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: EKRS (K. Gallagher + I. We.

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 6 1998 0835

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ✓	LEAKING ✓	DENTED ___
STEEL ✓	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ✓		OTHER ___		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 O.P.
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI 0 RAD METER ___ OTHER ___

(SAMPLE) HNU - 0 CGI - 0 (No Reading Found)

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown Gel Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top					Solid	Amber Chunks				—	—	—	—
Middle													
Bottom	36 IN.												

(Looks Like Died Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated organic Solid

[illegible]ST COMPATIBILITY RESULTS:

100254

GRID LOCATION FOUND: NW Location

STAGING LOCATION:

LOGGER: Bill Waddleton

SAMPLER: ERRS (K. Gallagher + I. Webb 1998)

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: November 6 0845

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ✓	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ✓		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Product in overpack. No drum. Drum is located in D-94

DRUM LABELS (See 94, Same Product)

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI ___ RAD METER ___ OTHER ___

(Sample)

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Brown Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Amber Viscous Liquid				—	—	—	—
Middle													
Bottom	24 in.												

Leaking + Liquid

(Looks Like Liquid Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	—	/	/	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Solids

T COMPATIBILITY RESULTS:

100255

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb 1998)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 6 0550

(No Sample For D-94 ~~Combined~~ w/D-93)

DRUM DESCRIPTION:

CONSTRUCTION			TYPE			CONDITION		
FIBER		POLY	POLY LINED		OVERPACK	RUSTED	LEAKING	DENTED
STEEL	✓	NICKEL	OPEN TOP		RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER	CLOSED TOP	✓		OTHER		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS (Same Product as D-93)

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA___ CGI 0 RAD METER___ OTHER___

(Sample D-93 Combined w/D-94)

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top						Brown									
Middle															
Bottom	3 in.														

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top										
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

TEST COMPATIBILITY RESULTS:

100256

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I Webb 1998)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 6 0850

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED ✓	LEAKING	DENTED ✓
STEEL ✓	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP ✓		OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS	~~Label Unclear~~ Ashland Chemical							

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0/20 4-5 OVA ____ CGI 0 RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: (Sample)

	Layers		Physical			Color/Description	Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
				Debris									
Top						Light Bulbs + Debris Brown Debris				—	—	—	—
Middle													
Bottom	32												

HAZCAT RESULTS (Broken Glass, Rags, Dried Resin

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle		/						/		/
Bottom		/						/		

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic + Inorganic Solids

[illegible]T COMPATIBILITY RESULTS:

100257

SITE NAME Ameria SAMPLE NO: [illegible] DRUM NUMBER [illegible]

GRID LOCATION FOUND: NW location STAGING LOCATION: ERRS (K. Gallaher + I. Wey) 1998

LOGGER: Bill Weddleton SAMPLER:

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: November 6 1115 (Sample + Drum Log)

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other Open Gash in Top		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Ashland Chemical (Light Blue Color + White)

FIELD AIR MONITORING INSTRUMENT READINGS HNu____ OVA____ CGI____ RAD METER____ OTHER____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Hard Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP						Amber Chunks				—	—	—	—
MIDDLE													
BOTTOM	34 in												

(Looks like Dried Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Organic Solid

TEST COMPATIBILITY RESULTS

100258

SITE NAME [illegible] SAMPLE NO: DRUM NUMBER:

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERP S(K Gallagher + I Webb.)

PROJECT NUMBER: 3313-98-3036 ARS DATE/TIME: November 6 1998 1123

(Sample + Drum Log)

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 850.P

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Ashland Chemical (Light Blue color + White)

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

(Sample 0 0)

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP		7 in	full			amber thick gel				–	–	–	–
MIDDLE													
BOTTOM	22 in												

(Looks Like Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		–	–	–	–			–	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated organic liquid

TEST COMPATIBILITY RESULTS

100259

SITE NAME

GRID LOCATION FOUND: N.W Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: November 6 1998 1130

Sample - Nov 12, 1998 0810

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 O.P

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Light Blue + White Colored Drum (Ashland Chemical)

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

(Sample) - AIR Monitor 0 CGI - Bkgd

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full		Orange										
TOP						Amber Chunks				—	—	—	—
MIDDLE													
BOTTOM													

(Looks Like Solidified Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	/	/	/	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Organic Solid

TEST COMPATIBILITY RESULTS

100260

SITE NAME McN/4 SAMPLE NO: [illegible] DRUM NUMBER [illegible]

GRID LOCATION FOUND: N-W Location STAGING LOCATION:

LOGGER: Bill Woodberry SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: November 6 1998 1135

Sample 11/12/98 0755

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	(Rusted)	Leaking	(Dented)
(STEEL)	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	(Closed Top)		Other		

DRUMS SIZ (Gallons): 85 (55) 42 30 15 10 5 Other 850 P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Light Blue + white Colored Drum (ashland Chemical)

FIELD AIR MONITORING INSTRUMENT READINGS HNu (0) OVA____ CGI (0) RAD METER____ OTHER____

(Sample - air Monitor 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Oil, Syrup, Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery, Paste, Chunks							
						Gel, Spongy, Soaplike							
						Soft, Hard, Powder Crystal							
	Full		Maroon			Granular, Rubber							
TOP						Amber Chunks				—	—	—	—
MIDDLE													
BOTTOM													

(Looks Like Solid Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	/	/	/	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Organic Solid

TEST COMPATIBILITY RESULTS

100261

SITE NAME: [illegible] SAMPLE NO: [illegible] DRUM NUMBER: [illegible]

GRID LOCATION FOUND: NW location STAGING LOCATION:

LOGGER: Bill Wadkleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/6/1998 1415

November 12, 1998 0845

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 850 P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS No Label (Rusted + Dirty)

FIELD AIR MONITORING INSTRUMENT READINGS: HNU 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

(Sample) → HNU 20

PHYSICAL DESCRIPTION:

	Layers		Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Gel, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber Amorphous Substance	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	1/4 full												
TOP						Deep Red Viscous				—	—	—	—
MIDDLE													
BOTTOM													

(Looks like Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	/	/	/	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Organic Solid

TEST COMPATIBILITY RESULTS

100262

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/6/98 1470

11/12/98 0820

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other Ashlan Chemical / Color Light Blue + white.		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air monitoring Sample 40

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full									—			
TOP	2"					pink rubberized paste				+	—	—	—
MIDDLE	~12"					Cardboard / Fabric							
BOTTOM						liquid				+	—	—	—

liq 1/3 in overpack

Pink Rubbery Material with Free Liquid
Also Contains Green Cloth

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom	7	/	—	—	—	—	—	/	—	/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated organic Solids + Inorganic Liquid

TEST COMPATIBILITY RESULTS

100263

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallagher + I. Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/6/98 1510

Sampled November 12, 1998 0830

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery, Paste, Chunks							
						Gel, Spongy, Soaplike							
						Soft, Hard, Powder Crystal							
			white	live bug	omit	Granular, Rubber							
TOP										+	–	–	–
MIDDLE													
BOTTOM													

White Chunks of Soaplike Material

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	6		–	–	–	–			–	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100264

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddington SAMPLER: ERS (K. Gallagher & I. Webb)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/6/98 1530

Sample 11/6/98 1535

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 55 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Sample EUPVI - HNU-0 CGI-0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous (Brown)	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery, Paste, Chunks							
						Gel, Spongy, Soaplike							
						Soft, Hard, Powder Crystal							
			Soil			Granular, Rubber							
TOP										—	—	—	—
MIDDLE													
BOTTOM	SIV.												

Brown Soil Like Material

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100265

GRID LOCATION FOUND: NW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K. Gallogher + I. Webb)

PROJECT NUMBER: 3313-96-3036 WRS DATE/TIME: 11/6/98 1600

Sample - 11/6/98 1605

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION 11/12/98 900		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other Broken Drum in pieces		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 850 lb.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

...SICAL DESCRIPTION: Sample Event - 11/12/98 HNU - 0 HNU - 20 CGI - 0 CGI - 0

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Brown		Liquid			Watery, Paste, Chunks							
						Gel, Spongy, Soaplike							
						Soft, Hard, Powder Crystal							
						Granular, Rubber							
						Light Brown							
TOP										—	—	—	—
MIDDLE													
BOTTOM													

2nd sample taken. of mud (soil) mixed with material - No drum in C.P.

* Material in drum is solid. (Soil mixed with product)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										✓

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Organic Liquid

TEST COMPATIBILITY RESULTS

100266

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddle/Etow SAMPLER: ERRS (Twebb + Kaughner)

PROJECT NUMBER: 3313-98-3036 WR SDATE/TIME: 11/7/95 0800

Sample — 11/12/98 940

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 850.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Light Blue + White (Ashland Chemical)

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA____ CGI 0 RAD METER____ OTHER____

Air Monitor Sample — HNU 50 CGI —

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery, Paste, Chunks							
						Gel, Spongy, Soaplike							
						Soft, Hard, Powder Crystal							
	3/4 full	maroon viscous				Granular, Rubber							
TOP								✓		—	—	—	—
MIDDLE													
BOTTOM													

fills 2/5 of OP

Amber Viscous Liquid (Looks like Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Organic Liquid

TEST COMPATIBILITY RESULTS

100267

SITE NAME [illegible] SAMPLE NO. [illegible] DRUM NUMBER [illegible]

GRID LOCATION FOUND: NW location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (J. Webb + K. Gallagher)

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/7/98 0850 P

Sample — 11/12/98 0745

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Ligh Blue + White (Ashland Chemical)

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Air Monitor Sample 0 CGI Background

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full		white										
TOP										P	—	—	—
MIDDLE													
BOTTOM													

White Solid Chunks, Soap Like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100268

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS (K Gallagher + I Webb)

PROJECT NUMBER: 3B13-98-3036 ARS DATE/TIME: 11/9/98 1055

Sample — 11/12/98 1000

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 Cap

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Color Light Blue DRUM (Ash/AN Chemical)

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Sample Air Monitor — HNU 5 CGI Background

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous / Watery, Paste, Chunks / Gel, Spongy, Soaplike / Soft, Hard, Powder Crystal / Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full		white										
TOP										P	—	—	—
MIDDLE													
BOTTOM													

Off White Solid Soap Like Chunks

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100269

GRID LOCATION FOUND: N.W. location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: EBRS - V Gallagher + T Webb

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/7/98 1105

Sample - 11/7/98 1115

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated	Good
STAINLESS	OTHER	Closed Top		Other Crushed		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 850 gal

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS color - Light Blue Drum - (Ashland Chemical)

FIELD AIR MONITORING INSTRUMENT READINGS HNU 0 OVA ____ CGI 0 RAD METER ____ OTHER ____

Sample air monitor - HNU 0 CGI 0

PHYSICAL DESCRIPTION:

	Layers		Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber Brown	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
TOP										—	—	—	—
MIDDLE													
BOTTOM													

Brown + white Soaplike Chunks

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS

100270

SITE NAME: AMEN RI SAMPLE NO: [illegible] DRUM NUMBER [illegible]

GRID LOCATION FOUND: NW Location STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: ERRS - K. Gallagher + I Webb

PROJECT NUMBER: 3313-98-3036 WRS DATE/TIME: 11/7/98 - 1132

sample - 11/12/98 - 730

DRUM DESCRIPTION

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	Poly Lined	Over Pack	Rusted	Leaking	Dented
STEEL	NICKEL	Open Top	Ring Type	Bulging	Perforated SMALL	Good
STAINLESS	OTHER	Closed Top		Other		

DRUMS SIZ (Gallons): 85 55 42 30 15 10 5 Other 85 OP.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS (Label under)

FIELD AIR MONITORING INSTRUMENT READINGS HNu 0/20 OVA 4-5 CGI 0 RAD METER ____ OTHER ____

sample — AIR MONITOR HNU 0 CGI Bkgd

PHYSICAL DESCRIPTION:

~~Half~~ Drum with dark liner material inside

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous Watery, Paste, Chunks Gel, Spongy, Soaplike Soft, Hard, Powder Crystal Granular, Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	<1/4 little product visible												
TOP										—	—	—	—
MIDDLE													
BOTTOM													

Brown Soil Like Material with Rags + Plastic

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	6	—	—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD

Non Regulated ~~Inorganic~~ Solid

TEST COMPATIBILITY RESULTS

100271

GRID LOCATION FOUND: [illegible]

SAMPLER: K. Gallagher - J. Webb

LOGGER: Jim Kearns

DATE/TIME: November 9, 1998

PROJECT NUMBER: 3313-98-3036 - WRS

Sampled: November 12, 1998 915

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP ✓		OTHER _		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

Sample HNU 60 LEL 1%

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1-Cl. Watery. Gel. Soft. Granular.	Syrup. Paste. Spongy. Hard.	Viscous. Chunks. Soaplike. Powder Crystal. Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full		Maroon									—	—	—	—
Top															
Middle															
Bottom															

Amber Rubbery Chunks (Looks Like Solid Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Solid

TEST COMPATIBILITY RESULTS:

100272

LOGGER: Jim Keams SAMPLER: K. Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1998 10:15

DRUM DESCRIPTION: Sampled: November 12, 1998 1200

CONSTRUCTION			TYPE			CONDITION		
FIBER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME: Ashland drum

CHEMICAL NAME:

DRUM MARKINGS:

DRUM LABELS:

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI 5 volts RAD METER ____ OTHER ____

Green 85 gallon overpack HNU 0

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top	full		maroon - different color after being chipped									—	—	—	—
Middle															
Bottom															

Dark Ambers Rubbery Chunks (Looks like Dry Resin or Varnish)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solid

TEST COMPATIBILITY RESULTS:

100273

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1998 10:30

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED	_
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - C2	Syrup,	Viscous	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery,	Paste,	Chunks,							
						Gel	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top			1/2 full			tan gel						—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS Amber liquid, viscous (looks like Resin or Varnish)

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Solid

TEST COMPATIBILITY RESULTS:

100274

LOGGER: Jim Kearns SAMPLER: Ken, Ike

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 7, 1998 10:50

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
BER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTES	_
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 7 units OVA____ CGI background RAD METER____ OTHER____

7 units background

PHYSICAL DESCRIPTION:

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top				full			tan watery gel						—	+	—	—
Middle																
Bottom																

Tan Viscous Liquid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	/	—	—	—	/	/	/
Middle										
Bottom		/		/				/	/	/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Liquid

TEST COMPATIBILITY RESULTS:

100275

LOGGER: Jim Kearns SAMPLER: K. Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9 1998 11:20

Sampled: November 12, 1998 10 40

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

Sample HNU 12

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	4/5 full														
Top		yellow orange				Yellowish Viscous liq						—	+	—	—
Middle															
Bottom	6"			grey		Brown Viscous liq						—	+	—	—

(Bottom layer is like an Emulsion

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom	7		—		—	—	—			

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated organic liquid

TEST COMPATIBILITY RESULTS:

100276

SITE NAME: Amenia Town Landfill SAMPLE NO: 116 DRUM NUMBER: D-110

GRID LOCATION FOUND: Area H 5, NW area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken, Ike

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1995 12:10

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	(RUSTED)	_	LEAKING	_	(DENTED)	_
(STEEL)	_	NICKEL	_	(OPEN TOP)	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	(55)	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: 0 background

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, (Soft), Granular,	Syrup, Paste, Spongy, Hard,	Viscous, (Chunks), Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top							purple solid						—	—	—	—
Middle		½	full													
Bottom																

Purple Chunks, SOPT

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated organic Solid

TEST COMPATIBILITY RESULTS:

100277

LOGGER: Jim Kearns Area #5 SAMPLER: K. Gallagher + I. Webb 12:30

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9 1998 ~~12:30~~

DRUM DESCRIPTION: Sampled: November 12, 1998 1230

CONSTRUCTION		TYPE		CONDITION		
ER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP		OTHER		

DRUMS SIZE (Gallons) 85 65 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sample 0
Drum full of debris such as cardboard, plastic, cream or pink goo w/some liquid on both
Liquid leaked into OF ~/c

	Layers		Physical			Color/Description	Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	- Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
		full												
Top				Full			liquid, clear			✓	+	–	–	–
Middle														
Bottom														

~~Blue and white drum~~ Pink Liquid with Plastic Debris

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		–	–	–	–			–	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Liquid

TEST COMPATIBILITY RESULTS:

100278

LOGGER: Jim Kearns SAMPLER: K Gallagher + T. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1998 14:30

DRUM DESCRIPTION: Sampled: November 12, 1998 1130

CONSTRUCTION			TYPE			CONDITION		
FIBER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

Sample: HNU 12

PHYSICAL DESCRIPTION:

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil,	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
							Watery,	Paste,	Chunks,							
							Gel,	Spongy,	Soaplike,							
							Soft,	Hard,	Powder Crystal,							
							Granular,		Rubbery							
Top	3/4 full yellow brown												—	+	—	—
Middle																
Bottom																

1/2 full locked into overpack
1/4 way up on overpack

Amber Viscous Liquid (Resin Like)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Reg - Organic - Liquid

TEST COMPATIBILITY RESULTS:

100279

LOGGER: Jim Kearns SAMPLER: IKE, Ken Gallagher

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 7, 1998 14:35

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
ER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS	NO. 9	420 lbs.						
DRUM LABELS	Remington Band Electric Shaver Division Pittsburg							

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 units OVA___ CGI background RAD METER___ OTHER___

PHYSICAL DESCRIPTION: 0 units background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top	Top 3/5 Tan, more liquid Bottom 2/5 gray, thicker FULL					water syrup						—	+	—	—
Middle						liquid/gel						—	+	—	—
Bottom															

Tan Bottom Layer / Amber top layer (Viscus) (Resin)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle	7		—		—	—	—			
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Reg - Organic - Liquid

TEST COMPATIBILITY RESULTS:

100280

GRID LOCATION FOUND: [illegible] area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: K. Gallagher, Mike Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1998 November 11, 1998

DRUM DESCRIPTION:

CONSTRUCTION			TYPE			CONDITION		
FIBER	POLY		POLY LINED	OVERPACK		(RUSTED)	LEAKING	(DENTED)
(STEEL)	NICKEL		(OPEN TOP)	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	(55)	42	30	15	10	5	Other 85 overpack
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: sampling 4 units background

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	(SLUDGE)	GEL	1 - Oil, Watery, Gel, (Soft), Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top		paint	cans	bottles								+	–	–	–
Middle															
Bottom															

Full of debris Black sludge on bottom Deep Red Sludge

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		–	–	–	–			–	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Reg - Inorganic - Solid

TEST COMPATIBILITY RESULTS:

100281

LOGGER: Jim Kearns SAMPLER: K Gallagher, Tim Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 7, 1998 15:00

November 11, 1998

DRUM DESCRIPTION:

CONSTRUCTION			TYPE		CONDITION		
FIBER	POLY		POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP		OTHER		

DRUMS SIZE (Gallons): 85 55 42 30 15 10 5 Other 85 Overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 30 units OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling HNu CGI background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top			full			watery, yellow tint, similar to 113						—	+	—	—
Middle															
Bottom															

grey liquid half fills overpack. Approx 5" of gray sludge on bottom. Amber liquid with slight sediment

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Reg - Organics - Liquid

TEST COMPATIBILITY RESULTS:

100282

LOGGER: Jim Keams SAMPLER: K. Gallagher, Ike Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1998 15:10

November 4, 1998 15:40

DRUM DESCRIPTION:

CONSTRUCTION			TYPE			CONDITION		
ER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling 0 background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top										✓		—	+	—	—
Middle															
Bottom															

3/4 full overpack also 3/4 full yellow liquid on top, gray sludge on bottom 5% Amber Liquid with Sediment

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Reg - Organic Liquid

TEST COMPATIBILITY RESULTS:

100283

LOGGER: Jim Kearns SAMPLER: K. Gallagher - I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9 1998

DRUM DESCRIPTION: Sampled: November 12, 1998 1100

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED	_
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Blue on white

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

HNU 200 O_2 20% LEL 7%

PHYSICAL DESCRIPTION: Sample

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	4/5 full	- sm amt of liquid on side of drum	yellow												
Top			~~Blue on white~~			Amber Liquid						+	—	—	—
Middle															
Bottom						Amber Chunks						—	—	—	—

Amber Chunks with with Free Amber Liquid.

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle		/					/	/		/
Bottom	7	/	—	/	—	—	/	/	/	/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD: Solid Burns when Held in Hot Flame

Non Regulated - Organic Solids in Inorganic Liquid

TEST COMPATIBILITY RESULTS:

100284

GRID LOCATION FOUND: [illegible] STAGING LOCATION: D 124

LOGGER: Jim Kearns SAMPLER: K Gallagher, Ike Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 9, 1998 15:40

DRUM DESCRIPTION: Blue with Orange Stripe November 11, 1998 15:40

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 op

MFG NAME	
CHEMICAL NAME	
DRUM MARKINGS	
DRUM LABELS	

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sample 140 units ok background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Amber Viscous Liq				✓		—	+	—	—
Middle		~~Blue with orange stripe~~													
Bottom						Grey Viscous Liq					✓	—	+	—	—

Full yellow liquid on top grey sludge on bottom
sludge = 10%

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom	7		—		—	—	—			

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Organic Liquid -

TEST COMPATIBILITY RESULTS:

100285

GRID LOCATION FOUND: Area H, NW Corner STAGING LOCATION: D-125

LOGGER: Jim Keams SAMPLER: K Gallagher + J. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 07:40

Nov 10, 1998 0815

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED _
STEEL	✓	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS water dispersion ~~Keep~~ protect from freezing

DRUM LABELS Store at 70-90° F. use within 90 days of receipt

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

11/10 08:15

PHYSICAL DESCRIPTION: Sampling 0 background

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soapfike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top		Full				white granular						P	—	—	—
Middle															
Bottom															

HAZCAT RESULTS White Granular Solid P = Partial

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	6		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD: Will NOT burn

NON Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100286

LOGGER: Jim Kearns SAMPLER: K. Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 08:40

DRUM DESCRIPTION: Sampled: November 11, 1998 0830

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED	_
STEEL	✓	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 100 units OVA___ CGI background RAD METER___ OTHER___

PHYSICAL DESCRIPTION: Sample OVA 80

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full		Dark												
Top												P	—	—	—
Middle															
Bottom															

Black Granular Soil Like Solids P = Partial

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic - Solid

TEST COMPATIBILITY RESULTS:

100287

LOGGER: Jim Kearns SAMPLER: K. Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 08:50

DRUM DESCRIPTION: Sampled: November 11, 1998 0815

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED
STEEL		NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER			

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sample Blue with white band FID 70

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder, Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top	Full		white Full								✓	—	—	—	—
Middle															
Bottom															

HAZCAT RESULTS White Crystal Chunks

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic - Solids

TEST COMPATIBILITY RESULTS:

100288

GRID LOCATION FOUND: NW Corner STAGING LOCATION: D128

LOGGER: Jim Kearns SAMPLER: IKE, Ken Gallagher

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 09:00

11/10/98

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 7 units OVA ___ CGI background RAD METER ___ OTHER ___

11/10/98 7 units

PHYSICAL DESCRIPTION: Blue with orange band

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top		almost empty				blue rubbery with some blue granules.				—	—	—	—
Middle													
Bottom													

HAZCAT RESULTS Purple Rubbery Solid

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic - Solid

TEST COMPATIBILITY RESULTS:

100289

GRID LOCATION FOUND: N W location STAGING LOCATION: D129

LOGGER: Jim Kearns SAMPLER: K. Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 09:05

DRUM DESCRIPTION: Sampled: November 11, 1998 0845

CONSTRUCTION				TYPE		CONDITION		
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED _ LEAKING _ DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING _ PERFORATED _ GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER _

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Blue on white, white top

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						1 - Oil,	Syrup,	Viscous,							
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top	1/2				yellow						✓	—	—	—	—
Middle															
Bottom															

Light Amber Viscous Liquid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—				
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Liquid

ST COMPATIBILITY RESULTS:

100290

GRID LOCATION FOUND: Area #5, NW Corner STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: K. Gallagher, Ike Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 09:15

DRUM DESCRIPTION: November 4, 1998 10:40

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Blue and Orange sand 20 units background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top			Full			~~yellow~~ clear with yellow				—	+	—	—
Middle						tinge liquid							
Bottom						similar to 113							

4/5 full yellow syrupy liquid on top bottom 1/5 is sludge Amber Viscous Liquid (Resin Like)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Organic Liquid

T COMPATIBILITY RESULTS:

100291

GRID LOCATION FOUND: Area #5, NW area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: K Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998

DRUM DESCRIPTION: November 11, 1998 10:10

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP		OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sample ~~HA~~ OVA 400

	Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
		full		orange-black										
Top							Amber Chunks				—	—	—	—
Middle														
Bottom														

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD: Burns when Exposed TO Hot Flame

NON Regulated - Organic Solid

TEST COMPATIBILITY RESULTS:

100292

SITE NAME: Amenia Town Landfill SAMPLE NO: D-132 DRUM NUMBER: D-132

GRID LOCATION FOUND: NW location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: K Gallagher - I Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 10:45

DRUM DESCRIPTION: Sampled: November 11, 1998 10 20

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 50 units OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sample OVA 1000, 20 units outside

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top		was	fuh	now	½ fuh	purple Liquid			/	P	—	—	—
Middle													
Bottom		purple											

paint cans, fabric on pasty material. Brown cloth + Tan Rubber

HAZCAT RESULTS (Looks Like Dried Latex)

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle		/		/			/	/		/
Bottom		/		/			/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated - Inorganic Solids + Debris

TEST COMPATIBILITY RESULTS:

100293

GRID LOCATION FOUND: N.W. Location STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: K. Gallagher + T. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1995 11:30

DRUM DESCRIPTION: Sampled: November 11, 1998 0800

CONSTRUCTION				TYPE				CONDITION			
FIBER	—	POLY	—	POLY LINED	—	OVERPACK	—	RUSTED	—	LEAKING	—	DENTED (✓)
STEEL (✓)	—	NICKEL	—	OPEN TOP	—	RING TOP (✓)	—	BULGING	—	PERFORATED	—	GOOD	—
STAINLESS STEEL	—	OTHER	—	CLOSED TOP	—			OTHER	—				

DRUMS SIZE (Gallons)	85	55 (✓)	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 10 units OVA____ CGI background RAD METER____ OTHER____ FID 100

PHYSICAL DESCRIPTION: blue on orange ring Sample

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks (✓), Gel, Spongy, Soaplike, Soft, Hard (✓), Powder Crystal, Granular, Rubbery			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
	Full														
Top						Green + Brown					✓	P	—	—	—
Middle															
Bottom															

Jars, glass, fabric material Green + Brown Chunks (Solid Resin

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	✓	—	—	—	—	✓	✓	—	✓
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solids

TEST COMPATIBILITY RESULTS:

100294

GRID LOCATION FOUND: Area H 5, NW area STAGING LOCATION:

LOGGER: Jim Keams SAMPLER: K. Gallagher, Ike Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: 12:30 November 10 1998

DRUM DESCRIPTION:

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 OP
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 150 units OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling 50 units FID background CGI

	Layers		Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soapline, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Liquid			✓	+	–	–	–
Middle													
Bottom						Brown Hard Chunks			✓	–	–	–	–

3/4 full Liquid fills 1/2 of drum. Peanut brittle looking material on top and bottom. Debris including light bulbs takes up about 50% of drum.

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		–	–	–	–			–	
Middle										
Bottom	7		–	–	–	–			–	

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Inorganic Liquid + Solid (Resin Like Solids)

TEST COMPATIBILITY RESULTS:

100295

GRID LOCATION FOUND: NW Corner STAGING LOCATION: D-135

LOGGER: Jim Kearns SAMPLER: ERM (K. Gallagher + I. Webb

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 10, 1998 12:20

DRUM DESCRIPTION: Sampled Nov. 11, 1998

CONSTRUCTION				TYPE				CONDITION					
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING	slightly	DENTED	
STEEL		NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD	
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER					

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 55 OP

MFG NAME

CHEMICAL NAME

DRUM MARKINGS — Dump

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 50 units OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Film with white middle after sampling 100 units CGI = 0% background

	Layers		Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil.	Syrup.	Viscous.	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Water.	Paste.	Chunks.							
						Gel.	Spongy.	Soaplike.							
						Soft.	Hard.	Powder Crystal.							
						Granular.		Rubbery							
Top	Full of debris											+	—	—	—
Middle	with dark pink liquid														
Bottom	debris includes paint cans etc.														

Pink Liquid Brown Liquid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Liquid - Inorganic

COMPATIBILITY RESULTS:

100296

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: 11/13/98 1998 10:30 ~~1998~~ 1510

DRUM DESCRIPTION: Sample Date/Time: 11/16/98 1510

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED
STEEL		NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD
STAINLESS STEEL		OTHER		CLOSED TOP	✓			OTHER				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 Overpack

MFG NAME	
CHEMICAL NAME	
DRUM MARKINGS	
DRUM LABELS	

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI Gastech RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI Background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASES	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown - Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Top Liquid/Viscous					✓	—	+	—	—
Middle		2/3													
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Organic Waste

COMPATIBILITY RESULTS:

100297

SITE NAME: Amelia Town Landfill

GRID LOCATION FOUND: Area 5 NW Area STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: Ken Gallagher + Ike Webb (EPRS)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Nov. 13, 1998 1035

DRUM DESCRIPTION: Sample Date/Time. Nov. 17, 1998 1200

CONSTRUCTION			TYPE		CONDITION		
FIBER	POLY		POLY LINED	OVERPACK	RUSTED	LEAKING ✓	DENTED
STEEL ✓	NICKEL		OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP ✓		OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 O.P.
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI O2-20.5 LEL-0 RAD METER ____ OTHER ____

Sampling Air Monitoring HNu 0 CGI ____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Yellow Liquid sludge			CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						- Oil,	Syrup,	Viscous,							
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						Amber Viscous Liquid						—	+	—	—
Middle															
Bottom		1/3													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	+	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - organic liquid - Chlorinated

TEST COMPATIBILITY RESULTS:

100293

GRID LOCATION FOUND: Area #5 STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 10:45

DRUM DESCRIPTION: Blue on white Sample Date/Time: November 16, 1998 1500

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_	DENTED _
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_	GOOD _
STAINLESS STEEL	_	OTHER	_	CLOSED TOP				OTHER	_			

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA___ CGI background RAD METER___ OTHER___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI Background

PHASE	Layers: INCHES	Layers: LIQUID	Physical: SOLID	Physical: SLUDGE	Physical: GEL	Color/Description	Clarity: CLEAR	Clarity: CLOUDY	Clarity: OPAQUE	Solubility: WATER	Solubility: HEXANE	Reaction: AIR	Reaction: WATER
						White Rock like - Oil, Syrup, Viscous, Material Watery, Paste, Chunks, Gel, Spongy, Scaplike, Soft, Hard, Powder Crystal, Granular, Rubbery						
Top						OFF White Crystals				P	—	—	—
Middle													
Bottom		→	FULL										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated - Inorganic Solid

TEST COMPATIBILITY RESULTS:

100299

GRID LOCATION FOUND: Area #5 PW Area STAGING LOCATION:

LOGGER: Jim Keams SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998

DRUM DESCRIPTION: Blue and white Sample Date/Time:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_
STEEL	_	NICKEL	_	OPEN TOP	_	RING TOP	_	BULGING	_	PERFORATED	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_		

DENTED _ GOOD _

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 overpack

MFG NAME

CHEMICAL NAME (Empty Drum)

DRUM MARKINGS Ashland Chemicals

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 25 units OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNU 0 CGI Background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top															
Middle		Near empty													
Bottom															

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	RCS
Top										
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

TEST COMPATIBILITY RESULTS:

100300

GRID LOCATION FOUND: Area # 5

STAGING LOCATION:

LOGGER: Jim Kearns

SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS

DATE/TIME: November 13, 1998 11:05

DRUM DESCRIPTION:

Sample Date/Time: NOVEMBER 17, 1998 1145

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 30 units OVA ___ CGI background RAD METER ___ OTHER 85 overpac

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 600 UNITS 0/2000 CGI 02-20.5 ~~LEL~~-10

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Black Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Black Rubbery Solid				—	—	—	—
Middle													
Bottom		1/7											

1/2 full

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Solid

TEST COMPATIBILITY RESULTS:

100301

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns Bill WOODLETON SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 11:15

DRUM DESCRIPTION: Blue and white Sample Date/Time: November 17, 1998 1150

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Ashland Chemical

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI LEL-C ~~CO~~ O Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	White + yellow Material 1 - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						White Solid				—	—	—	—
Middle		2/3											
Bottom													

White Solid 1/2 full

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle		/					/	/		/
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100302

GRID LOCATION FOUND: Area # 5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 11:30

DRUM DESCRIPTION: Blue on White Sample Date/Time November 16, 1998 1600

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER 85 ug/m3

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Light Brown material Brown Hard Solid				—	—	—	—
Middle													
Bottom			Full										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom							✓			

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solids

COMPATIBILITY RESULTS:

100303

GRID LOCATION FOUND: Area # 5 NW Area STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: Ken Gallagher + I. Webb (ERRS)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Nov. 13, 1998 1130

DRUM DESCRIPTION: Sample Date/Time: Nov. 13, 1998 1015

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	✓	DENTED	✓
STEEL	✓	NICKEL	_	OPEN TOP	_	RING TOP	✓	BULGING	_	PERFORATED	_	GOOD	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 85 O.P.
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 300 UNITS OVA____ CGI 5-LEL O2 20.5 RAD METER____ OTHER____

Sampling Air Monitoring HNu 250 UNITS CGI 11-LEL O2 20.5

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil,	Syrup,	Viscous,	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
						Watery,	Paste,	Chunks,							
						Gel,	Spongy,	Soaplike,							
						Soft,	Hard,	Powder Crystal,							
						Granular,		Rubbery							
Top						Purple Liquid						—	—	—	—
Middle		1/2													
Bottom															

~~Black Tar~~ Purple Viscous Liquid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—	—		—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Liquid

COMPATIBILITY RESULTS:

100304

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 11:35

DRUM DESCRIPTION: Transfered into D-145 Sample Date/Time November 16, 1998 1445

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other ___

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

Only liquid in overpack. No drum, Drum is #145

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0, 150 after leaking into overpack OVA ___ CGI background 40% CGI RAD METER ___ OTHER 85 overpa.

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	1 - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top													
Middle													
Bottom													

purple liquid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top										
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

COMPATIBILITY RESULTS:

100305

GRID LOCATION FOUND: area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 11:58

DRUM DESCRIPTION: Sample Date/Time November 16 1998 1445

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 110 overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

D 144 + D-145 INTO a sample of D-145.

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 150 OVA____ CGI ? RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI 0 Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown (Dark) - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Purple Liquid				−	+	−	−
Middle		2/3											
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	+	−	−	−	−	/	−	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Ignitable Liquid -

COMPATIBILITY RESULTS:

100306

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 14:00

DRUM DESCRIPTION: Black Sample Date/Time: November 16, 1998 1530

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___ Open		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 overpack

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 200 inside drum OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Brown Soil Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top			1/2 full of contaminated dirt							P	—	—	—
Middle			1/2 Full										
Bottom													

(contaminated soil) Brown Soil Like Solid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

COMPATIBILITY RESULTS:

100307

GRID LOCATION FOUND: [illegible] STAGING LOCATION: [illegible]

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 14:10

DRUM DESCRIPTION: Sample Date/Time: November 17, 1998 1100

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP	Shredded	OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 7 units OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 7 UNITS 0/20 CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top			1/4	Full of Soil,		sample jar				P	—	—	—
Middle													
Bottom		1/3											

Dark Black Tar Like Material

No drum in Overpack Only Contents of drum

Black Solid Chunks

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100308

GRID LOCATION FOUND: Area # 5 Pit Area STAGING LOCATION:

LOGGER: Jim Kearns - Bill Waddington SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 14:10

DRUM DESCRIPTION: Sample Date/Time: November 17, 1998 1330

CONSTRUCTION			TYPE			CONDITION		
[illegible]GER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP	Shreaded		OTHER	Shreaded	

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 40 units OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 40 units CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown; Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soapike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top			Solid			Soil, Fabric 1/4 Full				—	—	—	—
Middle													
Bottom			1/4										

Brown Spongy Solid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—		—	—	—			
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated organic Solid

TEST COMPATIBILITY RESULTS:

100309

GRID LOCATION FOUND: Area 5 NW Area STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: Ken Gallagher + Ike Webb (ERRS)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Nov. 13, 1998 1415

DRUM DESCRIPTION: Sample Date/Time: Nov. 17, 1998 1035

CONSTRUCTION		TYPE		CONDITION		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED ✓
STEEL ✓	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP ✓		OTHER		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other 85 O.P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 2 units OVA ___ CGI Background RAD METER ___ OTHER ___

Sample Air Monitoring HNU 25 units CGI ~~LEL~~ 02-20.5 10

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown Canvas Like - Oil, Syrup, Viscous, Material, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil Like				P	—	—	—
Middle			2/3										
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

T COMPATIBILITY RESULTS:

100310

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns Bill Waddleton SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 14:20

DRUM DESCRIPTION: Blue and White Sample Date/Time NOVEMBER 17 1155

CONSTRUCTION		TYPE		CONDITION 1998		
FIBER	POLY	POLY LINED	OVERPACK	RUSTED	LEAKING	DENTED
STEEL	NICKEL	OPEN TOP	RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER	CLOSED TOP		OTHER		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Ashland Chemical Company

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 100 units OVA CGI background RAD METER OTHER

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 100 units CGI background

	Layers		Physical			Color/Description	Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Soil Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top							Brown Soil Like				P	—	—	—
Middle			soil											
Bottom														

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100311

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 12:40

DRUM DESCRIPTION: Blue & White Sample Date/Time November 16, 1998 1550

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	DENTED _
STEEL _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Ashland Chemical

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 20 units OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 20 UNITS. CGI Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	- Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil Like			—	P	—	—	—
Middle													
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

COMPATIBILITY RESULTS:

100312

SITE NAME: Amenia Town Landfill SAMPLE NO: [illegible] DRUM NUMBER: [illegible]

GRID LOCATION FOUND: Area 5 NW Area STAGING LOCATION:

LOGGER: Bill Waddleton SAMPLER: Ken Gallagher + Ike Webb (EERS)

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: Nov. 13, 1998 1245

Sample Date/Time: Nov. 17, 1998 1050

DRUM DESCRIPTION:

CONSTRUCTION				TYPE				CONDITION			
FIBER	_	POLY	_	POLY LINED	_	OVERPACK	_	RUSTED	_	LEAKING	_
STEEL	✓	NICKEL	_	OPEN TOP	✓	RING TOP	_	BULGING	_	PERFORATED	_
STAINLESS STEEL	_	OTHER	_	CLOSED TOP	_			OTHER	_		

DENTED	✓	GOOD	_

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other 850 P.

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu____ OVA____ CGI____ RAD METER____ OTHER____

PHYSICAL DESCRIPTION:

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	White + Yellow - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						White Chunks				—	—	—	—
Middle			2/3										
Bottom													

White Solid

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	✓	—	—	—	—			—	
Middle							✓	✓		✓
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Salts

TEST COMPATIBILITY RESULTS:

100313

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 17, 1998 12:50

DRUM DESCRIPTION: Black Drum 1/2 Sample Date/Time: November 17, 1998 1115

CONSTRUCTION			TYPE			CONDITION		
FIBER	_	POLY _	POLY LINED _	OVERPACK _		RUSTED _	LEAKING _	DENTED _
STEEL	_	NICKEL _	OPEN TOP _	RING TOP _		BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL	_	OTHER _	CLOSED TOP _			OTHER _	Cut in half	

DRUMS SIZE (Gallons): 85 1/2 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS: # 185 - hand written

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu: 450/200 (CGI background)

Layers			Physical			Color/Description: Dark Brown Soil			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular,	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil like						P	—	—	—
Middle															
Bottom		2/3													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle		/					/	/		/
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

ST COMPATIBILITY RESULTS:

100314

GRID LOCATION FOUND: Area # 5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 11:55

DRUM DESCRIPTION: Black Sample Date/Time: November 16, 1998 1440

CONSTRUCTION		TYPE		CONDITION		
FIBER _	POLY _	POLY LINED _	OVERPACK _	RUSTED _	LEAKING _	(DENTED) _
(STEEL) _	NICKEL _	OPEN TOP _	RING TOP _	BULGING _	PERFORATED _	GOOD _
STAINLESS STEEL _	OTHER _	CLOSED TOP _		OTHER _		

DRUMS SIZE (Gallons): 85 (55) 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 5 units OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu: 0 CGI Background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	(SOLID)	SLUDGE	GEL	Amber, Rock Like Oil, Syrup, Viscous, Material Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, (Hard), Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown/Amber chunks				—	—	—	—
Middle													
Bottom			2/3										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Solid

COMPATIBILITY RESULTS:

100315

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION: D-155

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 13, 1998 15:00

DRUM DESCRIPTION: Sample Date/Time: November 13, 1998 1505

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Remington Shaver Corporation

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu Y units OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu ___ CGI ___

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top										—	+	—	—
Middle													
Bottom													

grey sludge is sampled 2 one liter 1 eight ounce
yellow liquid is sampled one 1 liter
puncture from excavator, soil pus on soil pile

leaked out all over ground, not enough to sample
Tar Viscous Wood

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Wood

TEST COMPATIBILITY RESULTS:

100316

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns (Bill Waddleton) SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 08:00

DRUM DESCRIPTION: Blue or White Sample Date/Time: November 16, 1998 1030

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___	sheared	OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 15 units OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Solid amber material Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Chunks				—	—	—	—
Middle	2/3												
Bottom													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Solids

COMPATIBILITY RESULTS:

100317

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns (Bill Waddleton) SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 17, 1998 08:20

DRUM DESCRIPTION: ~~[illegible]~~ Black white lid Sample Date/Time November 16, 1998 1050

CONSTRUCTION			TYPE			CONDITION		
FIBER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS Water dispersion protect from freezing store w/ 70°-90°

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 200-250 0/2000 CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	White Liquid Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						White Liquid				+	−	−	−
Middle													
Bottom	2/3												

(High Solid Content)

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		−	−	−	−			−	
Middle										
Bottom	2/3									

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Liquid

COMPATIBILITY RESULTS:

100318

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION: D-158

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 08:55

DRUM DESCRIPTION: Sample Date/Time: November 16, 1998 1115

CONSTRUCTION		TYPE		CONDITION		
FIBER __	POLY __	POLY LINED __	OVERPACK __	RUSTED __	LEAKING __	DENTED __
STEEL __	NICKEL __	OPEN TOP __	RING TOP __	BULGING __	PERFORATED __	GOOD __
STAINLESS STEEL __	OTHER __	CLOSED TOP __		OTHER __		

DRUMS SIZE (Gallons) 85 ~~68~~ 42 30 15 10 5 Other _____

~~MFG NAME~~ Contents of drum Daily News, August 29, 1970

~~CHEMICAL NAME~~ Ashland Chemical Company Flier The News Times August 1970

~~DRUM MARKINGS~~ Ashland Adhesive, Ashland Kentucky.

~~DRUM LABELS~~ NY Daily News, August 30, 1970 Life Magazine, June 26, 1970 Sunday News - Comics August 23, 1970 August 29, 1970 Ashland News Edward J. Britto E. Edgewood St Danbury CT

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 26 units OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 150 units CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Black Tar Like Material Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Black Rubbery Solid			—	—	—	—	—
Middle													
Bottom													

~~new~~ newspapers, 1/n of a drum with red product

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom	1/3									

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Solid

COMPATIBILITY RESULTS:

100319

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION: D-159

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 0900

DRUM DESCRIPTION: Sample Date/Time November 16, 1998 1125

CONSTRUCTION			TYPE			CONDITION		
FIBER		POLY	POLY LINED		OVERPACK	RUSTED	LEAKING	DENTED
STEEL		NICKEL	OPEN TOP		RING TOP	BULGING	PERFORATED	GOOD
STAINLESS STEEL		OTHER	CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 400 units OVA ____ CGI 5% RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 600 units of 2000 CGI background

	Layers		Physical			Color/Description	Clarity		Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown Soil w/ Red Oil, Syrup, Viscous, Material; Watery, Paste, Chunks; Gel, Spongy, Soaplike; Soft, Hard, Powder Crystal; Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Soil combined w/ Liquid outside drum				—	—	—	—
Middle													
Bottom		1/3 (around the drum)	Full										

Brown Soil Like

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Inorganic Solid

COMPATIBILITY RESULTS:

100320

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 07:15

DRUM DESCRIPTION: Blue on white Sample Date/Time: November 16, 1998 1140

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING - slightly ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other _____

MFG NAME

CHEMICAL NAME

DRUM MARKINGS Ashland Chemical

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 5 units OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 550 units of 2000 CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Pink + Dark Brown - Oil, Syrup, Viscous, Material, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Purple Chunks			✓	—	—	—	—
Middle													
Bottom		Full											

orange liquid seeping out side of drum

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON-Regulated Organic Solid

COMPATIBILITY RESULTS:

100321

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION: D-161

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 09:40

DRUM DESCRIPTION: Sample Date/Time: November 16, 1998 1150

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED (slightly in middle)
STEEL		NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD
STAINLESS STEEL		OTHER		CLOSED TOP				OTHER			

DRUMS SIZE (Gallons): 85 (55) 42 30 15 10 5 Other _____

MFG NAME: B208B5910 G 554 MFG: 7-76

CHEMICAL NAME: T 54

DRUM MARKINGS: mix well before using N 506

DRUM LABELS: Keep from freezing

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 10 units OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu: 45-50 units of 300 CGI background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Brown, with brown clay Oil. Watery. Gel. Soft. Granular.	Syrup. Paste. Spongy. Hard.	Viscous. like material Chunks. Soaplike. Powder Crystal. Rubber	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown + Purple Chunks						—	—	—	—
Middle															
Bottom		FULL													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—			—	/
Middle		/					/	/		/
Bottom		/					/	/		/

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated Organic Solids

T COMPATIBILITY RESULTS:

100322

GRID LOCATION FOUND: Area #5 new Area STAGING LOCATION:

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 - 11:40

DRUM DESCRIPTION: Blue and White Sample Date/Time: November 14, 1998 1230

CONSTRUCTION				TYPE				CONDITION			
FIBER	__	POLY	__	POLY LINED	__	OVERPACK	__	RUSTED	__	LEAKING	__
STEEL	__	NICKEL	__	OPEN TOP	__	RING TOP	__	BULGING	__	PERFORATED	__
STAINLESS STEEL	__	OTHER	__	CLOSED TOP	__			OTHER	__		

DENTED __ GOOD __

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other _____
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS	Ashland							
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI background

	Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
	PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil, Watery, Gel, Soft, Granular	Syrup, Paste, Spongy, Hard,	Viscous, Chunks, Soaplike, Powder Crystal, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top				Red solid			Dark Red Hard chunks					/	—	—	—	—
Middle																
Bottom				4" dark red solid placed on top.												

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic Solids

COMPATIBILITY RESULTS:

100323

GRID LOCATION FOUND: [illegible] STAGING LOCATION: [illegible]

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 13:40

DRUM DESCRIPTION: Found on site of hill on surface Sample Date/Time: November 16, 1998 11:58

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED
STEEL		NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD
STAINLESS STEEL		OTHER		CLOSED TOP		crushed		OTHER				

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	amber material Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Chunks				—	—	—	—
Middle													
Bottom			1/3										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

NON Regulated organic Solids

TEST COMPATIBILITY RESULTS:

100324

GRID LOCATION FOUND: Area #5 New Area STAGING LOCATION: D-164

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 16, 1998 14:00

DRUM DESCRIPTION: Blue on White Sample Date/Time: November 16, 1998 1204

CONSTRUCTION				TYPE				CONDITION			
FIBER		POLY		POLY LINED		OVERPACK		RUSTED		LEAKING		DENTED	
STEEL	✓	NICKEL		OPEN TOP		RING TOP		BULGING		PERFORATED		GOOD	✓
STAINLESS STEEL		OTHER		CLOSED TOP	✓			OTHER			

DRUMS SIZE (Gallons)	85	55 ✓	42	30	15	10	5	Other _____
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS	Ashland Chemical							
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA____ CGI background RAD METER____ OTHER____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0 CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown Material Oil. Syrup. Viscous. Yellow Watery. Paste. Chunks. Gel. Spongy. Soaplike. Soft. Hard. Powder Crystal. Granular. Rubbery Canvas material	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Hard Chunks			✓	—	—	—	—
Middle													
Bottom			2/3										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	/	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Organic Material

CHEMICAL COMPATIBILITY RESULTS:

100325

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION: D-165

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 14:40

DRUM DESCRIPTION: Black Sample Date/Time November 14 1998 1210

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___		OTHER ___		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other ___
MFG NAME								
CHEMICAL NAME								
DRUM MARKINGS								
DRUM LABELS								

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI 0 RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu ___ CGI ___

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Light Brown - Oil, Syrup, Viscous, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						Brown Soil 1 sec				—	—	—	—
Middle													
Bottom			FUL										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

TEST COMPATIBILITY RESULTS:

100326

GRID LOCATION FOUND: STAGING LOCATION:

LOGGER: Jim Keams SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 17, 1998 14:45

DRUM DESCRIPTION: Sample Date/Time November 16 1998 1225

CONSTRUCTION			TYPE			CONDITION		
ER	POLY		POLY LINED	OVERPACK		RUSTED	LEAKING	DENTED
STEEL	NICKEL		OPEN TOP	RING TOP		BULGING	PERFORATED	GOOD
STAINLESS STEEL	OTHER		CLOSED TOP			OTHER		

DRUMS SIZE (Gallons)	85	55	42	30	15	10	5	Other

MFG NAME

CHEMICAL NAME

DRUM MARKINGS

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ____ CGI background RAD METER ____ OTHER ____

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 0/20 12-5 units CGI background

Layers			Physical			Color/Description			Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Oil. Watery. Gel. Soft. Granular.	Syrup. Paste. Spongy. Hard.	Viscous. Chunks. Soaplike. Powder Crystal. Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top						yellow liquid						—	+	—	—
Middle															
Bottom		2/3													

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7	/	—	—	—	—	—	/	—	/
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated organic liquid

TEST COMPATIBILITY RESULTS:

100327

GRID LOCATION FOUND: Area #5 NW Area STAGING LOCATION: D-167

LOGGER: Jim Kearns SAMPLER: Ken Gallagher and IKE WEBB

PROJECT NUMBER: 3313-98-3036 - WRS DATE/TIME: November 14, 1998 14:50

DRUM DESCRIPTION: Sample Date/Time: November 16, 1998 1240

CONSTRUCTION		TYPE		CONDITION		
FIBER ___	POLY ___	POLY LINED ___	OVERPACK ___	RUSTED ___	LEAKING ___	DENTED ___
STEEL ___	NICKEL ___	OPEN TOP ___	RING TOP ___	BULGING ___	PERFORATED ___	GOOD ___
STAINLESS STEEL ___	OTHER ___	CLOSED TOP ___	crusher	OTHER ___		

DRUMS SIZE (Gallons) 85 55 42 30 15 10 5 Other ___

MFG NAME

CHEMICAL NAME

~~DRUM MARKINGS~~ found 1/2 way down hill 1 foot below surface

DRUM LABELS

FIELD AIR MONITORING INSTRUMENT READINGS: HNu 0 OVA ___ CGI background RAD METER ___ OTHER ___

PHYSICAL DESCRIPTION: Sampling Air Monitoring - HNu 16-15 units 0/20 CGI background

Layers			Physical			Color/Description	Clarity			Solubility		Reaction	
PHASE	INCHES	LIQUID	SOLID	SLUDGE	GEL	Dark Brown, Rock + Christal - Oil, Syrup, Viscous, Material, Watery, Paste, Chunks, Gel, Spongy, Soaplike, Soft, Hard, Powder Crystal, Granular, Rubbery	CLEAR	CLOUDY	OPAQUE	WATER	HEXANE	AIR	WATER
Top			product in bottom			Brown Soil Like				P	—	—	—
Middle													
Bottom	1/3		1/3										

HAZCAT RESULTS

Layers	pH	Chlorine not wire	Flammable	Cyanide	Oxidizer	Chloride	Peroxide	Mercury	Sulfide	PCB
Top	7		—	—	—	—			—	
Middle										
Bottom										

ASSIGNED WASTE STREAM - BASED ON INITIAL RCRA HAZARD:

Non Regulated Inorganic Solid

COMPATIBILITY RESULTS:

100328

Group 1	Total 21
16 oz glass jars-	6 full of brown sand 1 white paint -1/4" on the bottom
4 oz glass jars	11 with white sediment ~1/3" then clear liquid 1 with pink sediment and clear liquid on top 1 with brown sediment and clear liquid on top 1 with yellow sediment and clear liquid on top
Group 2	Total 28
16 oz glass jar	10 with brown type sand 3 with very white sand type 2 off white with plugs 3 mm
8 oz glass jar	3 with grey brown sand
4 oz glass jar	6 with white powder
4 oz amber jar	2 with ??
1 quart glass	1 with red clear liquid
1 gal poly	crushed and open with white material
Group 3	Total 36
5 oz metal can	28 small green and white square cans of Spectracide (liquid) See below.
1 quart glass	3- ~1/2 full with clear liquid
10 oz glass jars	1-
8 oz glass jars	1-
1 oz amber jar	1-?
4 oz glass jar	1 white material 1 brown material

Spectracide- Geigy - a division of Geigy Chemical, **Ardsley(sp?)**, NY
Lawn and garden insect.
Caution: Combustible liquid
5 oz
Makes up to 15 gallons of spray

WORK PLAN

DRUMMED WASTE AND SOIL DISPOSAL

AMENIA TOWN LANDFILL SITE
AMENIA, NEW YORK

September 3, 1999

URS Greiner Woodward Clyde

P.O. Box 290
201 Willowbrook Boulevard
Wayne, New Jersey 07470
9E04078

100330

TABLE OF CONTENTS

Section 1 **Introduction** 1

Section2 **Background** 1

Section 3 **Scope of Work** 2

3.1 Health and Safety Plan 3
3.2 Sampling and Analysis Plan 3
3.3 Site Access 3
3.4 Site Security Plan 3
3.5 Bulking Plan 3
3.6 Inventory and Inspection of Materials 3
3.7 Transportation and Disposal Plan 4
3.8 Quality Assurance/Quality Control Plan 4
3.9 Decontamination 4

Section 4 **Schedule** 4

Tables

Table 2.1 Drum Composite Log
Table 3.1 Schedule of Activities

Appendices

Appendix A Health and Safety Plan
Appendix B Transportation and Disposal Plan

1.0 Introduction

This work plan has been developed for the disposal of drummed waste and soil at the Amenia Town Landfill Site (Site) in Amenia New York as required in the Administrative Order on Consent (AOC) for Removal Action, index number CERCLA-02-99-2022. The respondents to the order are Ashland Inc., Unisys Corporation and Route 22 Company.

2.0 Background

The property on which the landfill is located is approximately 20 acres in size and is located in a rural valley, bordered to the east by Route 22 and to the north by property owned by the Sharon Oil Company and on the north and west by a freshwater wetland. An unnamed stream that is a tributary to Amenia Brook flows through this wetland area. The Harlem Valley landfill is located less than one-quarter mile southwest of the Site. An active public golf course is located within one-half mile west of the Site.

The Site is the location of a former sanitary landfill approximately 10 acres in size that began accepting waste in the late 1940s and operated until April 16, 1976. From the onset of landfilling operations until December 1968, the landfill property was leased by the Town of Amenia from its owners William and Mary Murphy.

On December 5, 1968, the Site property (which at the time also included two acres now owned or leased by the Sharon Oil Company) was sold by William and Mary Murphy to Salvatore Surico. Mr. Surico continued landfill operations at the Site from 1969 until April 1971.

In June 1971, Mr. Surico transferred the site property to the Tri-Town Landfill Corporation ("Tri-Town") of which he was president. In August 1971, Tri-Town sold two acres to three individual residents of the Town of Amenia (these two acres were subsequently sold or leased to the Sharon Oil Company). On or about November 1971 Tri-Town was in bankruptcy proceedings, and as of at least January 1972, the Town of Amenia had resumed operations at the landfill until April 16, 1976 when the landfill was closed.

The remaining approximate 20 acres of the Site were conveyed to an individual owner on July 25, 1972 and to a succession of owners thereafter. On July 31, 1986, the Site was conveyed to John Segalla, and subsequently transferred by Mr. Segalla to the Route 22 Company, a New York General Partnership comprised of the Route 22 Land Corp. and the Route 22 Land Development Corp. of which corporations Mr. Segalla was, and is, President.

On October 22, 1970, the Dutchess County Health Department conducted an inspection at the Site and noted that several hundred barrels of industrial wastes were stored in a one-acre area at the southern end of the Site. Some of these barrels had been punctured and had discharged their contents upon the surface of the ground.

The Site was listed by the New York State Department of Environmental Conservation ("NYSDEC") as a hazardous waste site in 1980 after visual inspections at the Site revealed the presence of drums at the surface and areas of stressed vegetation.

Further investigations conducted by NYSDEC in September 1998 revealed soil and sediment contamination and the presence of buried drums containing waste material. On October 6, 1998, NYSDEC formally requested the EPA to conduct a time critical removal action at the Site to mitigate any possible threats presented by the buried drums.

During an inspection at the Site on October 7, 1998, EPA observed drums at the surface of the landfill slope adjacent to the wetlands at the southwest area of the landfill. Preliminary analysis of the contents of the drums and soils provided by NYSDEC revealed levels of pesticides such as methidathion and organic compounds, including phenols and benzenes above regulatory limits. Phenols and benzenes are hazardous substances as defined in Section 101(14) of CERCLA, 42 U.S.C. § 9601(14).

During this inspection, EPA observed that the Site was not secured and access to the Site was unrestricted. Several drums were discovered at ground level or were only partially buried. Local officials have reported that the area is frequented by deer and deer hunters. EPA and NYSDEC personnel have observed that leaking drums have contaminated the soil at the Site.

In October-November 1998, EPA and its contractor removed 197 drums containing waste materials (including approximately 30 empty drums) as well as approximately 220 cubic yards of contaminated soil from the southwest area of the Site adjacent to the landfill slope. The drums were overpacked and transferred to secure storage units that were placed at the northern end of the Site near the property owned or leased by Sharon Oil Company. The pile of excavated soil was reshaped and covered with a plastic tarp. A berm was created around the pile to reduce rainwater runoff from the pile. The excavated areas were graded and covered with six inches of topsoil; the topsoil was seeded and covered with straw matting to protect the seed and provide erosion control.

In November 1998, samples were taken from the drums and bulked into eleven composite samples and three individual drum samples. The drums that represent each composite are outlined in Table 2.1. The eleven composite samples and three individual drum samples were analyzed by a full TCLP analysis and for RCRA characteristics.

In June 1999, EPA and its contractor obtained samples from 23 individual drums and 6 soil samples from the soil pile and analyzed the samples for TCL Volatile Organic and Semi-Volatile Organic Compounds, TAL metals, PCBs, Pesticides, TCLP and RCRA characteristics.

3.0 Scope of Work

The scope of work has been developed utilizing the description of work in the AOC and a conversation with the EPA On-Scene-Coordinator (OSC) Irmgard Huhn.

The scope of work for the project will include the loading, transportation and disposal of the 167 drums of waste, any empty drums and the loading, transportation and disposal of the approximately 220 cubic yards of contaminated soil. The scope of work will also include the drumming, loading, transportation and disposal of personnel protective equipment (PPE) and jars of unused samples, and restoration of the site.

3.1 Health and Safety Plan

A site-specific health and safety plan has been developed and is included as Appendix A. The work at the site will be performed in level D with air monitoring and the appropriate personnel protective equipment will be available on site to upgrade to level C if necessary. This level of protection is appropriate because the overpack drums will not be opened during the loading. Details are included in the attached health and safety plan. Decontamination procedures are included in the plan for level D and level C activities.

3.2 Sampling and Analysis Plan

A sampling and analysis plan is not required for this scope of work because no additional sampling will take place.

3.3 Site Access

Ashland and Unisys have executed an Access Agreement to the Site with Route 22 Corporation. A copy of the Agreement has been forwarded to the EPA.

3.4 Site Security Plan

A site security plan is not required because drums will not be out of the storage boxes during off-hours. At the end of each day drums will be placed back into the storage boxes and secured.

3.5 Bulking Plan

The contents of the 167 drums will not be bulked together in any manner. The drums will not be opened at any time. The 167 drums will be transported and disposed individually.

The additional jars of samples at the site will be transferred to drums and transported and disposed of with the 167 drums. The sample jars will be placed intact in the overpacks. The jars will not be opened at any time. The analytical results and disposal facility options will be reviewed to determine the compatibility of samples that will be placed in each drum.

3.6 Inventory and Inspection of Materials

An inventory of the drums was performed previously. The inventory will be entered into an electronic database prior to beginning on-site activities.

3.7 Transportation and Disposal Plan

A site-specific transportation and disposal plan is attached as Appendix B. The plan outlines the transportation and disposal of the 167 drums, drummed soil samples, 220 cu yards of soil, PPE and decon wastes.

3.8 Quality Assurance/Quality Control Plan

A quality assurance/quality control plan is not required due to the nature of this work.

3.9 Decontamination Procedures

Personnel decontamination procedures (if needed) are outlined in the Health & Safety Plan.

Additional decontamination procedures will be implemented for the front-end loader that will transfer the contaminated soil from the site to the dump trucks. A temporary decontamination pad will be constructed 20 feet wide and 30 feet long. A 0.5 foot earthen berm will be constructed around the perimeter of the pad area. Polyethylene sheeting will then be laid down to seal the berm area. Once all the contaminated soils have been loaded, the front end loader will enter the decontamination pad. Soil will be removed from the wheels and undercarriage manually. The loader will then be washed with a high power water spray. The waste soil and water will be transferred to drums and disposed of appropriately with the other drummed waste.

4.0 Schedule

The schedule for implementation of this work plan is set forth in Table 3.1 and is in accordance with the schedule of activities outlined in the AOC.

TABLE 2.1
AMENIA TOWN LANDFILL SITE
DRUM COMPOSITE LOG

Comp 1	Comp 2	Comp 3	Comp 4	Comp 5	Comp 6	Comp 7	Comp 8	Comp 9	Comp 10	Comp 11
25	37	7	2	43	69	1	4	13	19	10
48	73	36	3	44	85	8	5	23	33	11
65	117	75	144	64		14	9	60	39	12
	135	104	158			15	32	61	89	20
	157	105				16	47	74	90	21
	42	113				17	51	77	91	27
		114				18	52	78	92	30
		118				22	57	81	96	31
		119				24	67	82	98	34
		121				28	68	83	99	35
		122				29	72	84	101	38
		124				40	109	87	110	41
		129				45	120	102	111	46
		130				49	128	106	115	54
		134				50	132	107	116	55
		136				53	133	108	123	56
		155				58	152	125	131	70
		166				59	165	127	140	71
						62		138	142	79
						63		141	148	80
						66		152	154	86
						76			156	88
						103			160	93
						126			161	94
						146			162	95
						147			163	97
						149			164	100
						150				112
						151				
						153				
						159				
						167				

Notes

- Drum 152 is in both composite samples 8 and 9
- Drum 26 was not sampled but contains medical waste including petri dishes.

TABLE 3.1
AMENIA TOWN LANDFILL SITE
SCHEDULE OF ACTIVITIES

Time From EPA Approval of Work Plan (Days)	ACTIVITY
0	EPA Approval of Work Plan
10	Commence Implementation of Work Plan
45-60	Site Activities Including Drum and Soil Removal
90	Final Report Submitted to EPA

Appendix A

HEALTH AND SAFETY PLAN

DRUMMED WASTE AND SOIL DISPOSAL

AMENIA TOWN LANDFILL SITE
AMENIA, NEW YORK

September 3, 1999

URS Greiner Woodward Clyde

P.O. Box 290
201 Willowbrook Boulevard
Wayne, New Jersey 07470
9E04078

100333

TABLE OF CONTENTS

Section 1 Project Identification 1-1

Section 2 Introduction 2-1

2.1 Location and Description 2-1
2.2 Site History 2-1
2.3 Key Personnel 2-3
2.3.1 URSGWC Project Manager: Gordon Jamieson 2-3
2.3.2 URSGWC Field Supervisor: Marion Craig 2-3
2.3.3 URSGWC Wayne Office Health and Safety Manager: Benjamin J. Bertolotti 2-4
2.3.4 URSGWC Site Safety Officer: Ali Goulstone 2-5

Section 3 Scope of Work 3-1

Section 4 Hazard Assessment 4-1

4.1 General Hazard Assessment 4-1
4.2 Chemical Hazards 4-1
4.2.1 Chemical Hazards Due to Site Contaminants 4-1
4.2.2 Exposure Routes 4-3
4.2.3 Control of Exposure to Chemical Hazards 4-3
4.3 Physical Hazards 4-4
4.4 Biological Hazards 4-6
4.5 Flammable Hazards 4-7
4.6 Task-By-Task Hazard Analysis 4-7
4.6.1 Drum Handling 4-7

Section 5 General Health and Safety Requirements 5-1

5.1 Medical Surveillance Program 5-1
5.2 Training 5-3
5.3 Incident Reporting 5-4
5.4 Illumination and Sanitation 5-4
5.4.1 Illumination 5-4
5.4.2 Sanitation 5-4
5.5 Work Procedures 5-5
5.6 Respirator Maintenance, Fitting and Decontamination 5-6
5.6.1 Air-Purifying Respirators 5-6
5.6.2 Respirator Decontamination 5-8
5.7 URSGWC Site Safety Officer Notifications 5-8
5.8 URSGWC Daily Health and Safety Summary Report 5-8
5.9 Osha Information Poster 5-8
5.10 Prohibitions 5-8

TABLE OF CONTENTS

5.11 Initial Site Safety Meeting and Signing of Health and Safety Plan Compliance Agreement 5-9
5.12 Daily Site Safety Briefings 5-10
5.13 Site Security 5-10
5.14 Hazard Communication 5-10

Section 6 Air Quality and Mitigative Measures for Control of Emissions 6-1

6.1 Air Quality Monitoring Instrumentation 6-1
6.2 Determination of Background Levels of Organic Vapors 6-2
6.3 Air Quality Monitoring Program 6-2
6.3.1 Air Quality Monitoring Locations, Instrumentation, Techniques and Frequency 6-2
6.3.2 Air Quality Response Levels 6-2
6.4 Mitigative Measures for Control of Emissions 6-4

Section 7 Personal Protective Equipment 7-1

7.1 Description of Levels of Personal Protective Equipment 7-1
7.2 Initial Levels of Protection 7-2

Section 8 Designation of Work Zones 8-1

Section 9 Decontamination Procedures 9-1

9.1 Personnel Decontamination Procedures 9-1
9.2 Equipment, Vehicle, and Field Instrument Decontamination Procedures 9-1
9.2.1 Decontamination of Large Equipment and Site Vehicles 9-1
9.2.2 Decontamination of Field and Small Equipment 9-2
9.2.3 Decontamination of Other Equipment and Vehicles 9-2
9.2.4 Disposal of Decontamination Fluids 9-2

Section 10 Community Public Health Preservation 10-1

Section 11 Emergency Response Plan 11-1

11.1 Emergency Recognition and Prevention 11-1
11.1.1 Fires 11-1
11.1.2 Chemical Exposures 11-1
11.1.3 Physical Injury 11-2
11.2 Emergency Alerting 11-2
11.3 Site Security, Site Control and Site Evacuation Procedures 11-3
11.4 Emergency Telephone Numbers 11-4
11.5 Emergency Response Procedures 11-4
11.5.1 Emergency Response Personnel 11-4

TABLE OF CONTENTS

11.5.2 Emergency Response Equipment 11-4
11.6 Emergency Decontamination Procedures 11-4
11.7 On-Site Medical Treatment and Emergency First Aid Procedures 11-5

Section 12 Health and Safety Plan Approvals 12-1

Section 13 Health and Safety Compliance Agreement 13-1

100342

Figures

Figure 1 Site Location Map
Figure 2 Hospital Location Map

List of Attachments

Attachment 1 Heat Stress Casualty Prevention Plan
Attachment 2 Ticks and Tick-borne Diseases
Attachment 3 URSGWC Health and Safety Incident Reporting

Project	Drum Waste and Soil Disposal at Amenia Town Landfill Site
Location:	Amenia, New York
URS Greiner Woodward Clyde Project No.:	47-09E0407800.00 Task 00001
URS Greiner Woodward Clyde Project Manager:	Gordon Jamieson
URS Greiner Woodward Clyde Field Supervisor:	Marion Craig
URS Greiner Woodward Clyde Site Safety Officer:	Ali Goulstone
Date of HASP:	August 9, 1999
Expiration Date:	January 1, 2000

This Health and Safety Plan (HASP) establishes guidelines and requirements for safety of personnel during the conduct of field activities associated with the Drummed Waste and Soil Disposal Project at the Amenia Town Landfill Site (the "Project") which is being conducted in Amenia, New York.

All employees of URS Greiner Woodward Clyde (URSGWC) involved in field activities on this project are required to abide by the provisions of this HASP. They are required to read the HASP and sign the attached Compliance Agreement. Contractors and Subcontractors of URSGWC involved in field activities who adopt this HASP for the protection of their employees (hereinafter, both referred to as Contractors) are required to read the HASP and comply with its provisions. The adoption of this HASP does not relieve Contractors of any obligations to provide a safe working environment in accordance with all applicable Federal, state and local requirements including, but not limited to, Occupational Safety and Health Administration (OSHA) Regulations 29 CFR 1910 and 1926.

Contractors remain solely responsible for providing their employees with appropriate personal protection equipment. URSGWC personnel will monitor air quality per this HASP. Contractors are encouraged to independently monitor air quality. In the event that they do not have the appropriate air monitoring equipment or otherwise choose not to monitor air quality, URSGWC personnel will make a reasonable effort to inform the Contractors' Site Safety Officer(s) of readings measured by URSGWC. The Contractors are solely responsible for actions taken by their personnel based on the readings.

The health and safety guidelines and requirements presented herein are based on a review of available information and an evaluation of potential hazards. Because of the variety of possible work activities and site conditions which may be encountered, and the uncertainties associated with potential health effects from exposures to various contaminants which may be present, no guarantees can be made regarding the potential for health effects associated with field activities on this site. This HASP outlines the health and safety procedures and equipment required for activities at this site to minimize the potential for exposure to field personnel.

2.1 LOCATION AND DESCRIPTION

The Site is approximately 20 acres in size and is located in a rural valley, bordered to the east by Route 22 and to the north by property owned by the Sharon Oil Company and on the north and west by a freshwater wetland. An unnamed stream which is a tributary to Amenia Brook flows through this wetland area. The Harlem Valley landfill is located less than one-quarter mile southwest of the Site. An active public golf course is located within one-half mile west of the Site.

2.2 SITE HISTORY

The Site is the location of a former sanitary landfill approximately 10 acres in size which began accepting waste in the late 1940s and operated until April 16, 1976. From the onset of landfilling operations until December 1968, the landfill property was leased by the Town of Amenia from its owners William and Mary Murphy.

On December 5, 1968, the Site property (which at the time also included two acres now owned by the Sharon Oil Company) was sold by William and Mary Murphy to Salvatore Surico. Mr. Surico continued landfill operations at the Site from 1969 until April 1971.

In June 1971, Mr. Surico transferred the site property to the Tri-Town Landfill Corporation ("Tri-Town") of which he was president. In August 1971, Tri-Town sold two acres to three individual residents of the town of Amenia (these two acres were subsequently sold the Sharon Oil Company). On or about November 1971 Tri-Town was in bankruptcy proceedings, and as of at least January 1972, the town of Amenia had resumed operations at the landfill until April 16, 1976 when the landfill was closed.

The remaining approximate 20 acres of the Site were conveyed to an individual owner on July 25, 1972 and to a succession of owners thereafter. On July 31, 1986, the Site was conveyed to John Segalla, and subsequently transferred by Mr. Segalla to the Route 22 Company, a New York General Partnership comprised of the Route 22 Land Corp. and the Route 22 Land Development Corp. of which corporations Mr. Segalla was, and is, President.

On October 22, 1970, the Dutchess County Health Department conducted an inspection at the Site and noted that several hundred barrels of industrial wastes were stored in a one-acre area at the southern end of the Site. Some of these barrels had been punctured and had discharged their contents upon the surface of the ground.

The Site was listed by the New York State Department of Environmental Conservation ("NYSDEC") as a hazardous waste site in 1980 after visual inspections at the Site revealed the presence of drums at the surface and areas of stressed vegetation.

Further investigations conducted by NYSDEC in September 1998 revealed soil and sediment contamination and the presence of buried drums containing waste material. On October 6, 1998, NYSDEC formally requested the EPA to conduct a time critical removal action at the Site to mitigate the threats presented by the buried drums.

During an inspection at the Site on October 7, 1998, EPA observed drums at the surface of the landfill slope adjacent to the wetlands at the southwest area of the landfill. Preliminary analysis of the contents of the drums and soils provided by NYSDEC revealed high levels of pesticides such as methidathion and organic compounds, including phenols and benzenes. Phenols and benzenes are hazardous substances as defined in Section 101(14) of CERCLA, 42 U.S.C. § 9601(14).

During this inspection, EPA observed that the Site was not secured and access to the Site was unrestricted. Several drums were discovered at ground level or were only partially buried. Local officials have reported that the area is frequented by deer and deer hunters. EPA and NYSDEC personnel have observed that leaking drums have contaminated the soil at the Site.

In October-November 1998, EPA and its contractor removed 197 drums containing waste materials (including approximately 30 empty drums) as well as approximately 220 cubic yards of contaminated soil from the southwest area of the Site adjacent to the landfill slope. The drums were overpacked and transferred to secure storage units which were placed at the northern end of the site near the property owned by Sharon Oil Company. The pile of excavated soil was reshaped and covered with a plastic tarp. A berm was created around the pile to reduce rainwater runoff from the pile. The excavated areas were graded and covered with six inches of topsoil;

the topsoil was seeded and covered with straw matting to protect the seed and provide erosion control.

In November 1998, samples were taken from the drums and bulked into eleven composite samples and three individual drum samples. The drums that represent each composite are outlined in Table 2.1. The eleven composite samples and three individual drum samples were analyzed by a full TCLP analysis and RCRA characteristics.

In June 1999, EPA and its contractor obtained samples from 23 individual drums and 6 soil samples from the soil pile and analyzed the samples for TCL volatile organic and semi-volatile organic compounds, TAL metals, PCBs, Pesticides, TCLP and RCRA characteristics.

2.3 KEY PERSONNEL

2.3.1 URSGWC Project Manager: Gordon Jamieson

The URSGWC Project Manager has the following responsibilities:

- To see that the project is performed in a manner consistent with the URSGWC Safety Program.
- To have a HASP prepared and approved.
- To provide the URSGWC Wayne Office Health and Safety Manager with project information related to health and safety matters and development of the HASP.
- To implement the HASP.
- To monitor compliance with the HASP by URSGWC and Contractor field personnel.

The URSGWC Project Manager has the authority to take the following actions:

- To determine matters relating to schedule, cost, and personnel assignments on this project.
- To temporarily suspend field activities, if the health and safety of field personnel are endangered, pending further consideration by the URSGWC Wayne Office Health and Safety Manager.
- To temporarily suspend an individual from field activities for infractions of the HASP, pending further consideration by the URSGWC Wayne Office Health and Safety Manager.

2.3.2 URSGWC Field Supervisor: Marion Craig

The URSGWC Field Supervisor has the following responsibilities:

- To interface with the URSGWC Project Manager and the URSGWC Wayne Office Health and Safety Manager regularly regarding health and safety activities.

- To assure that the project is being performed by URSGWC and Contractor personnel in a manner consistent with the HASP.
- To assist the URSGWC Wayne Office Health and Safety Manager in supply and maintenance of the proper health and safety equipment and supplies.
- To provide access to field project files to the URSGWC Wayne Office Health and Safety Manager to allow health and safety audits to be performed, or incidents to be investigated.

The URSGWC Field Supervisor has the authority to take the following actions:

- To temporarily suspend work on the project if the health and safety of field personnel are jeopardized, pending further consideration from the URSGWC Wayne Office Health and Safety Manager.
- To remove individuals from the project if their conduct jeopardizes their health and safety or that of co-workers.

2.3.3 URSGWC Wayne Office Health and Safety Manager: Benjamin J. Bertolotti

The URSGWC Wayne Office Health and Safety Manager (URSGWC HSM) has the following responsibilities:

- To interface with the URSGWC Project Manager in matters of health and safety.
- To develop a HASP for the project and to submit it to the URSGWC Regional Health and Safety Manager (URSGWC RHSM) or URSGWC Corporate Health and Safety Manager (URSGWC CHSM) for approval.
- To monitor compliance with approved HASP.
- To assist the URSGWC Project Manager in seeing that proper health and safety equipment is available for the project.
- To approve personnel to work on this site with regard to medical examinations and health and safety training.

The URSGWC HSM has the authority to take the following actions:

- To suspend work or otherwise limit exposures to personnel if a HASP appears to be unsuitable or inadequate.
- To direct personnel to change work practices if they are deemed to be hazardous to health and safety.
- To remove field personnel from the project if their actions or condition endangers their health and safety or the health and safety of coworkers.

2.3.4 URSGWC Site Safety Officer: Ali Goulstone

The URSGWC Site Safety Officer (URSGWC SSO) and any URSGWC Alternate Site Safety Officer(s) (URSGWC SSO) have the following responsibilities:

- To direct health and safety activities on-site.
- To report safety-related incidents or accidents to the URSGWC Project Manager, URSGWC Field Supervisor, and URSGWC HSM.
- To assist the URSGWC Project Manager and URSGWC Field Supervisor in all aspects of implementing the HASP.
- To maintain health and safety equipment on-site, as specified in the HASP.
- To inspect health and safety activities on-site, as specified in the HASP, and report results to the URSGWC Project Manager, URSGWC Field Supervisor and the URSGWC HSM.

The URSGWC SSO has the authority to take the following actions:

- To temporarily suspend field activities, if health and safety of field personnel are endangered, pending further consideration by the URSGWC HSM.
- To temporarily suspend an individual from field activities for infractions of the HASP, pending further consideration by the URSGWC HSM.

The scope of work has been developed utilizing the description of work in the Administrative Order on Consent (AOC) for Removal Action and a verbal conversation with the EPA On-Scene-Coordinator (OSC) Irmgard Huhn.

The scope of work for the project will include the loading, transportation and disposal of the 167 drums of waste, any empty drums and the loading, transportation and disposal of the approximately 220 cubic yards of contaminated soil. The scope of work will also include the drumming, loading, transportation and disposal of personal protective equipment (PPE) and jars of unused samples, and restoration of the site.

Further information on the scope of work is detailed in the URSGWC Workplan for Drummed Waste and Soil Disposal and the Site Specific Transportation and Disposal Plan for the Amenia Town Landfill Site.

This section provides a general hazard assessment for hazards which may be encountered during work activities and a task-by-task hazard analysis for specific tasks to be performed during this phase of activities.

4.1 GENERAL HAZARD ASSESSMENT

A general assessment of the hazards has been made based on the scope of work described in Section 3.0. The following potential hazards have been identified:

- Inhalation of dusts;
- Inhalation of volatile contaminants;
- Skin and eye contact with contaminants;
- Ingestion of contaminants;
- Working with/near heavy equipment;
- Caught-between and Pinch-points;
- Back Strain;
- Noise exposure;
- Slip/Trip/Fall hazards;
- Use of personal protective equipment;
- Heat stress (depending on season work is to be performed);
- Biological hazards (e.g., mosquitoes, ticks, bees, spiders, etc.); and
- Flammable hazards.

The following sections describe the potential hazards associated with the work activities to be performed in the Project Area.

4.2 CHEMICAL HAZARDS

4.2.1 Chemical Hazards Due to Site Contaminants

The chemical hazard evaluation is based on the history of the Site and is conducted to identify materials that may be present and to ensure that site activities, personnel protection and emergency response are consistent with the specific contaminants expected to be encountered. The hazard analysis forms the foundation for this HASP.

Chemical families which may be present at the site include: Benzenes, Phenols, Organophosphate, Insecticides/Pesticides, Polychlorinated Biphenyls (PCBs), volatile organic compounds; semi-volatile organic compounds, and metals. Chemical hazard classes may include:

- Flammable liquids;
- Corrosive solids & liquids;
- Toxic liquid and solids; and
- Reactive compounds in the form of acids may be present.

Health hazard data for compounds known and anticipated to be present at the Site are described below:

Compound	PEL/TLV	Exposure Route	Health Hazards
Organophosphate Insecticides/ Pesticides including Methidathion	Examples: 0.05 mg/m3 (skin) for Parathion NIOSH 0.2 mg/m3 (skin) for methyl parathion NIOSH 10 mg/m3 (skin) for malathion NIOSH	Contact, Inhalation, Absorption, Ingestion	If poisoning is suspected do not wait for symptoms to develop. Seek emergency medical care immediately. Acute symptoms range from headache, dizziness, weakness, incoordination, tremor, to nausea, abdominal cramps, diarrhea, sweating, blurred/dark vision, confusion, tightness in chest, productive cough, to incontinence, unconsciousness, convulsions, toxic psychosis, reperiatory depression, or death. Chronic exposure at intermediate dosage may cause flu-like symptoms (weakness, anorexia, malaise).
Phenol	8-hr TWA: 5ppm, 19 mg/m3 IDLH Level 250 ppm	Inhalation, Eye contact, skin absorption and inhalation	Behavioral changes (convulsions or effect on seizure threshold); Severe irritation; Corrosive to any living tissue it contact; Skin absorption occurs readily with a rapid onset of symptoms or death.
Benzene	1 ppm/0.5 ppm	Inhalation, absorption, ingestion-skin/eye contact	Irritation to eyes/nose; giddiness, headache, nausea, fatigue, anorexia, lassitude, dermatitis, bone-marrow depressant, carcinogen
Methane	None established	Inhalation, absorption, ingestion, contact	Extremely flammable and can displace atmospheric oxygen level. Inhalation-rapid respiration, diminished mental alertness and impaired muscular coordination.
Ethylbenzene	100 ppm	Inhalation, Ingestion, Skin/Eye Contact	Eye irritation, mucous membrane, headache, dermatitis, narcosis, coma.
Toluene	100 ppm	Inhalation, absorption, contact	Fatigue, weakness, confusion, euphoria, dizziness, headache, dilated pupils, lacrimation, nervousness, muscle fatigue, insomnia, paresthesia, dermatitis.
Xylene	100 ppm	Inhalation, skin absorption, ingestion, skin/eye contact	Dizziness, excitement, drowsiness, incoordination, staggering gait, irritated eyes, nose or throat; corneal vacuolization, anorexia, nausea, vomiting, abdominal pains, dermatitis.
Polychlorinated Biphenyls (PCBs)	OSHA PEL 1mg/m3 42% Cl OSHA PEL 0.5 mg/m3 54% Cl	Inhalation, Skin Contact, Ingestion	PCBs are potent liver toxins. Irritation of skin, mucous membranes, nausea, vomiting, cognitive disorder

4.2.2 Exposure Routes

The primary exposure pathways of concern for these identified contaminants are as follows:

Inhalation of Dust

Previous experience at similar sites suggests that airborne levels of particulates will probably not exceed exposure limits. However, inhalation of dust may present a localized concern during soil removal activities.

Inhalation of Volatile Contaminants

Previous experience at similar sites suggests that airborne levels of volatiles will probably not exceed exposure limits.

Skin and Eye Contact with Contaminants

Skin and eye contact with some of the contaminants at the project area may cause skin or mucous membrane irritation. Many of these contaminants can be absorbed into the bloodstream through the skin or eyes. Any body area which comes in contact with contaminants will be washed with soap and rinsed immediately. All field personnel will report any skin or eye contact symptoms to the URSGWC SSO. The person will be treated by a physician and steps will be taken to eliminate similar exposures.

Ingestion of Contaminants

Personnel may be exposed to accidental ingestion of contaminants by hand to mouth contact after contact with contaminated materials. Ingestion of contaminants will be controlled during work activities by prohibiting eating and smoking in the Contamination Reduction Zone and Exclusion Zone and by requiring all field personnel to decontaminate themselves upon leaving the Exclusion Zone. Drinking of liquids will take place only after partial decontamination has taken place (except in a heat stress emergency situation).

4.2.3 Control of Exposure to Chemical Hazards

Potential hazards will be reduced by protecting against exposures to contaminants via utilization of appropriate personal protective equipment. Personal protective equipment to protect the body against contact with known or anticipated chemical hazards are divided into five levels of protection categories (i.e., Levels A, B, C, Modified D and D) according to the degree of protection afforded. The initial levels of personal protective equipment to be used while performing the work activities described in Section 3.0 are discussed in Section 7.2, Initial Levels of Protection. If the personal protective equipment for any level of protection needs to be modified to be appropriate for the specific hazard encountered, an appropriate Addendum to this HASP will be prepared by the URSGWC HSM.

Periodic air monitoring will be employed to assess respiratory hazards in the work zones for work activities as appropriate. Levels of protection can be upgraded or downgraded by the

URSGWC SSO if they are not appropriate; the URSGWC HSM will be notified of any changes of levels of protection as soon as practical.

4.3 PHYSICAL HAZARDS

Drum Handling

Drums and containers used shall meet the appropriate DOT, OSHA, and EPA regulations for the wastes that they contain. Drums and containers shall be identified and classified prior to packaging for shipment. Unlabeled drums and containers shall be considered to contain hazardous substances and handled accordingly until the contents are positively identified and labeled.

When practical, drums and containers shall be inspected and their integrity shall be assured prior to being moved. Drums or containers that cannot be inspected before being moved because of storage conditions (i.e., buried beneath the earth, stacked behind other drums, stacked several tiers high in a pile, etc.) shall be moved to an accessible location and inspected prior to further handling.

Site operations shall be organized to minimize the amount of drum or container movement. Prior to movement of drums or containers, all employees exposed to the transfer operation shall be warned of the potential hazards associated with the contents of the drums or containers.

U.S. Department of Transportation specified salvage drums or containers and suitable quantities of proper absorbent shall be kept available and used in areas where spills, leaks, or ruptures may occur.

Where major spills may occur, a spill containment program, which is part of the employer's safety and health program, shall be implemented to contain and isolate the entire volume of the hazardous substance being transferred.

Drums and containers that cannot be moved without rupture, leakage, or spillage shall be emptied into a sound container using a device classified for the material being transferred. Employees should not stand upon or work from drums or containers.

Material handling equipment used to transfer drums and containers shall be selected, positioned and operated to minimize sources of ignition related to the equipment from igniting vapors released from ruptured drums or containers.

When there is a reasonable possibility of flammable atmospheres being present, material handling equipment and hand tools shall be of the type to prevent sources of ignition. Fire extinguishing equipment meeting the requirements of 29 CFR Part 1910, Subpart L, shall be on hand and ready for use to control incipient fires.

Drums and containers under pressure, as evidenced by bulging or swelling, shall not be moved until such time as the cause for excess pressure is determined and appropriate containment procedures have been implemented to protect employees from explosive relief of the drum.

Drum handling using a forklift can be dangerous. Always exercise caution and follow these safety tips:

- Always approach the load slowly with the forks in their lowest position.
- Avoid steep inclines when moving material.
- When going down inclines with a load always back down.
- Slow down for all turns.
- Slow down for rough terrain.
- If the load obstructs the forward view, drive backwards cautiously.
- When dismounting forktruck always lower forks, place in neutral, and set parking brake.
- For cross aisles and blind corners, the operator should slow down and sound horn.
- Before dismounting, be sure to place the forktruck in neutral and set the parking brake.
- All forktrucks must be of the appropriate classification when using them around flammables.
- All operators must have formal training meeting OSHA 29CFR1910.178

Improper use of a drum dolly can also lead to accidents if adequate precautions are not used:

- Always push the dolly unless going up hill.
- Be sure it has the helper wheels.
- Avoid steep inclines.
- Avoid uneven terrain.
- Do not use on slippery surfaces.
- Ensure the drum is secure on the dolly.

Working with/near Heavy Equipment

There is a risk of physical injury resulting from contact with heavy equipment operating in the project area. Field personnel should be aware of the presence of these hazards and take steps to avoid them. Due to the limited ability to communicate when wearing respiratory protection, the risk is increased. Workers must be careful to communicate with heavy equipment operators regarding their location and should maintain a safe distance from operating equipment at all times. Use of steel-toed work boots and hard hats will be required while in work areas.

Noise Exposure

Work activities will be conducted at locations with high noise levels from the operation of heavy equipment. In accordance with OSHA Regulations 29 CFR 1910.95 hearing protection will be used when noise levels exceed 80 dBA averaged over an 8-hour day; hearing protection is required to be worn for exposures of greater than 100 dBA for any length of time. In the absence of instrumentation, an appropriate rule of thumb is that when normal conversation is difficult at a distance of 2 to 3 ft, hearing protection is required. URSGWC and Contractors shall have

hearing protection at the project area for use by their employees. The URSGWC SSO will monitor noise levels on an "as needed" basis to provide information relative to compliance with OSHA Regulations 29 CFR 1910.95.

Tripping Hazards

The presence of surface debris, uneven surfaces and piles of soil contribute to tripping hazards. Care should be taken whenever walking, especially whenever equipment must be carried.

Use of Personal Protective Equipment

The personal protective equipment which may be required for some activities (e.g., protective clothing, respirators, etc.) places a physical strain on the wearer. When personal protective equipment such as respirators, gloves, and protective clothing are worn, visibility, hearing and manual dexterity are impaired.

Heat Stress

Work which is conducted when temperatures exceed 70° F may result in increased incidence of heat related illness. The risk is increased for personnel who are required to don impermeable protective clothing during warm weather.

The Heat Stress Casualty Prevention Plan presented in Attachment 1 will be implemented to deal with this hazard. The Plan describes heat stress identification, treatment, prevention and monitoring. Fluids will be provided at regular intervals during the work periods in order to maintain adequate body fluid levels for the field personnel.

4.4 BIOLOGICAL HAZARDS

One of the drums (i.e., Drum No. 26) which has been overpacked contains biological materials including Petri culture dishes. Extreme care should be exercised when handling this drum as the nature of the biological contents of this drum have not been identified. If the drum integrity appears to be compromised at any time, a 20 ft diameter area surrounding the drum should be evacuated immediately and the HSM notified as soon as possible for additional information. This drum must be suitably identified (e.g., with colored flagging or spray paint) prior to any drum-related activities are performed in the area. Should any site personnel become exposed to substances contaminated with biological materials, all contaminated personal protective equipment must be removed, bagged and held (pending a resolution of disposal options by the Project Manager) and all exposed dermal areas washed thoroughly with disinfectant soap and water.

During fieldwork at the Site, personnel may encounter a wide variety of insects including bees, mosquitoes, ticks, spiders and poisonous plants. Field personnel are encouraged to use insect repellent when insects are present and avoid entering areas where poisonous plants are known to exist.

Stings of bees and wasps may cause serious allergic reactions in certain individuals. The URSGWC SSO should be made aware of all personnel with known insect allergies or sensitivities before field work begins.

Ticks are parasites that feed on the blood of an animal/human host and can carry several severe diseases, the least bringing several days of fever and pain and the worst causing brain damage. This hazard is discussed in greater detail in Attachment 2.

Assume that all animals are dangerous. A person who is bitten by an animal may become infected by tetanus or rabies. Warm-blooded animals such as dogs, cats and rats can transmit rabies. Rabies can also be transmitted when the saliva of an infected animal contacts an open wound (even a scratch) or any normal body opening, such as the mouth or eye.

4.5 FLAMMABLE HAZARDS

Flammable hazards are expected to be moderate during the course of this work based on the levels of flammable materials expected at the project area and the nature of the work to be performed. As a precaution, air monitoring, including the use of a combustible gas indicator as specified in Section 6.0, will be conducted during all work activities.

4.6 TASK-BY-TASK HAZARD ANALYSIS

The tasks to be completed for the current phase of work are listed in Section 3.0.

A task-by-task hazard analysis is presented in the following sections.

4.6.1 Drum Handling

The following hazards will be a concern during this task:

POTENTIAL HAZARD	ANTICIPATED RISK
Inhalation of Dust or Volatile Contaminants	Low
Ingestion of Contaminants	Low
Skin and Eye Contact with Contaminants	Low
Working with/near Heavy Equipment	Moderate
Noise Exposure	Moderate
Caught-betweens and Pinch-points	High
Back Strain	High
Tripping Hazards	Moderate
Use of Personal Protective Equipment	Low
Heat Stress	Depends on ambient temperature
Biological Hazards	Low
Flammable Hazards	Low

5.1 MEDICAL SURVEILLANCE PROGRAM

Before commencing any of the activities defined in Section 3.0, all URSGWC personnel must take a URSGWC -approved entry medical examination and periodic medical examinations as required by OSHA Regulations 29 CFR 1910.120(f) as part of URSGWC's medical surveillance program. Contractors involved in field activities must provide documentation of medical examinations for their employees. The medical surveillance program for URSGWC personnel is specified in the current URSGWC Hazardous Waste Management Practice Health and Safety Manual, and meets the requirements of OSHA Regulations 29 CFR 1910.120(f).

Medical surveillance is a major component of the URSGWC health and safety program. It was established to monitor and promote the health of employees engaged in projects which have the potential for exposure to hazardous substances.

Exposure to chemicals has the potential to cause adverse health effects although the use of recognized safety procedures and protective equipment substantially mitigates associated risks. In the event a potentially harmful exposure occurs, early detection of symptoms is extremely important to successful treatment. Thus, the medical surveillance procedures prescribed as part of this health and safety program must be followed by all relevant personnel without exception.

Medical surveillance provides a clinical base of information that is used to evaluate an employee's fitness to work on a hazardous waste site, to identify anomalies in a person's medical history that may be related to potential impaired health, and to evaluate a person's capability to use respiratory protective equipment. This base of medical information includes personnel health history, exposure history, physical examination results, laboratory analyses, and results of screening and special tests.

Medical examinations include:

- Past medical history - on entry to the program, information concerning past occupational and personal as well as family history of disease.
- Present medical profile - all pertinent medical information regarding present state of health and during each year of field work in hazardous material projects.
- Exposure history - information concerning the cumulative duration of time spent on potentially hazardous sites, the primary toxic substances, and the levels of protection employed by each site.
- Kidney and liver function tests - possible exposure to aromatic hydrocarbons warrant examination of the liver enzymes and blood exams to evaluate kidney and liver function.
- Hematology - complete blood-forming function exams including: Complete Blood Count, White Blood Count, Red Blood Count, and Hemoglobin exams as part of the Medical Exam due to the potential for exposure to aromatic hydrocarbons.

- Urinalysis.
- Physical examination.
- Hearing test.
- Vision test.
- Pulmonary function test.

Optional tests, if recommended by the examining physician, include:

- Electrocardiogram.
- Radiography (X-ray Examinations).
- Special tests - medical information concerning the effects of exposure to specific contaminants.

The objectives of the medical surveillance component of the health and safety program are:

- Protect the health of employees assigned to work on sites containing potentially hazardous substances.
- Pre-assignment screening of employee's health to determine present status and to identify existing problems that may be aggravated by chemical exposure or physical stress.
- Monitor employee's health for early signs of work-related illness and employee suitability for further assignments on sites containing potentially hazardous substances.
- Evaluation and care of individuals with work-related illnesses or injuries.
- Satisfy the requirements of OSHA Regulations 29 CFR 1910.134 regarding respiratory protection and OSHA Regulations 29 CFR 1910.120 for hazardous waste workers.

Examining physicians will use information provided by the employee in the questionnaire, the examination results, and the results of laboratory tests to determine if any work restrictions (e.g., medical fitness to wear respiratory protection during work activities) or occupational health problems appear to be present. For URSGWC employees, the examining physician will provide the results of the examination to the URSGWC reviewing physician for final evaluation of employee suitability for work at hazardous material sites. The reviewing physician's conclusions supersede those of the examining physician. A physician's report on the examination will be sent directly to the URSGWC employee with a separate letter stating ability to work at hazardous waste sites sent to URSGWC. Contractors must provide documentation from a physician indicating that their field personnel working within any Contamination Reduction Zone or Exclusion Zone are active participants in a medical surveillance program and are medically fit to wear a respirator.

An individual that either refuses to or cannot produce documentation of active participation in a medical surveillance program or medical fitness to wear a respirator will be prohibited from participation in field activities within any Contamination Reduction Zone or Exclusion Zone, or wearing of respiratory protection, respectively.

5.2 TRAINING

All personnel working in the Project Area and potentially exposed to hazardous substances, health hazards, or safety hazards shall be thoroughly trained as specified in OSHA Regulations 29 CFR 1910.120(e). This training program will include: (1) attendance at an initial 40-hour basic health and safety training course off the Site; (2) a minimum of three days of actual field experience under the direct supervision of a trained, experienced supervisor; (3) site-specific training in the Project Area; and (4) an 8-hour annual update in the basic health and safety training course.

Management and supervisors who work in the Project Area and who are directly responsible for, or who supervise employees engaged in, hazardous waste operations must have received: (1) 40 hours initial training (in accordance with OSHA Regulations 29 CFR 1910.120(e)); (2) three days of supervised field experience; (3) 8 hours of site supervisor training; and (4) additional training at the time of job assignment on such topics as, but not limited to: their company's safety and health program and the associated employee training program; personal protective equipment program; spill containment program; air quality monitoring; emergency response; monitoring equipment usage and calibration; and health hazard monitoring procedures and techniques.

Personnel involved in any of the work activities designated for this project may also be required to meet other applicable OSHA regulations or standards. These standards include, but are not limited to, the Confined Space Entry Standard and the Welding/Cutting Safety Standard listed under OSHA Regulations 29 CFR 1926.

OSHA Regulations 29 CFR 1910.120 require that special training be provided at the time of job assignment to personnel who may be exposed to unique or special hazards not covered by the initial 40-hour basic health and safety course. It is not anticipated that any unique or special hazards will be encountered during these work activities, other than those previously described; therefore, special training will not be needed. If unique or special hazards are unexpectedly encountered, specialized training will be provided.

At a minimum, one person, the URSGWC SSO, will be First Aid trained. Any other personnel trained to do First Aid will be identified during the daily site safety meetings.

Contractors must provide documentation and certificates to the URSGWC SSO indicating that their field personnel working within the Contamination Reduction Zone or Exclusion Zone have successfully completed all the training requirements stipulated under OSHA Regulations 29 CFR 1910.120 and 29 CFR 1926, and that they have been successfully fit-tested within the previous 12 months for the brand and type of respirator to be used (if required).

An individual that either refuses to or cannot produce a record of required course completion will be prohibited from participation in field activities within any Contamination Reduction Zone or Exclusion Zone. An individual that refuses to or cannot produce a satisfactory fit-test record will be prohibited from wearing respiratory protection.

5.3 INCIDENT REPORTING

Any incident involving URSGWC or Contractor field personnel will require that a Health and Safety Incident Report be filed as soon as possible. Situations covered by this policy include, but are not limited to, fires, explosions, illnesses, injuries and automobile accidents. These reports must be sent to the URSGWC HSM within 24 hours of the incident. Worker's Compensation Insurance reports should be filed with the individual's employer within 48 hours of each accident or illness that results from work related activities and requires medical attention. See Attachment 3 for an example of the Health and Safety Incident Report form. The URSGWC SSO will complete this form in case of an incident. The URSGWC HSM should be verbally notified of any incident as soon as possible.

5.4 ILLUMINATION AND SANITATION

5.4.1 Illumination

The illumination requirements set forth by OSHA Regulations 29 CFR 1910.120 (m) will be met.

5.4.2 Sanitation

POTABLE WATER

- An adequate supply of potable water will be provided.
- Portable containers used to dispense drinking water will be capable of being tightly closed and equipped with a tap. Water will not be "dipped" from the container.
- Containers used to distribute drinking water will be clearly marked and not used for any other purpose.
- When single service cups (to be used but once) are supplied, both a sanitary container for the unused cups and a receptacle for disposing of the used cups will be provided.

NONPOTABLE WATER

- Outlets for nonpotable water will be identified to clearly indicate that the water is unsafe and is not to be used for drinking, washing, or cooking purposes.
- There shall be no cross-contamination (open or potential) between potable and nonpotable water systems.

TOILET FACILITIES

Toilet facilities shall be provided for employees as follows:

Number of Employees	Minimum Number of Facilities
20 or fewer	One toilet seat
More than 20, fewer than 200	One toilet seat and one urinal per 40 employees
More than 200	One toilet seat and one urinal per 50 employees

FOOD HANDLING

Food handling will not be permitted in the Contamination Reduction Zone or Exclusion Zone.

5.5 WORK PROCEDURES

- Whenever possible, field personnel should work from a position upwind of sources of exposure to contaminants.
- All persons entering and/or working in the Contamination Reduction Zone or Exclusion Zone will read, sign and become familiar with this HASP. A copy of the HASP will be available at the Site through the URSGWC SSO.
- No URSGWC or Contractor employee will be allowed in the Contamination Reduction Zone or Exclusion Zone without the prior knowledge and consent of the URSGWC SSO.
- Personnel will use the buddy system (working in pairs) when in the Contamination Reduction Zone or Exclusion Zone. Buddies shall prearrange hand signals for communication. Visual contact shall be maintained between crew members at all times. Crew members must observe each other for signs of toxic exposure. Indication of adverse effects include, but are not limited to:
  - Changes in complexion and skin discoloration
  - Changes in coordination
  - Changes in demeanor
  - Excessive salivation and pupillary response
  - Changes in speech pattern

Also, employees shall inform each other of non-visual effects of toxic exposure such as:

- Headaches
- Dizziness
- Nausea
- Blurred Vision
- Cramps
- Irritation of eyes, skin or respiratory tract

- All URSGWC and Contractor personnel will bring to the attention of the URSGWC SSO or URSGWC Field Supervisor any unsafe condition or practice associated with work activities that they are unable to correct themselves.
- Contaminated protective equipment (e.g., respirators, hoses, boots, etc.), will not be removed from the Contamination Reduction Zone or Exclusion Zone until they have been cleaned, or properly packaged and labeled.
- Hands shall be thoroughly cleaned prior to smoking, eating or other sanitation activities.
- Team members must avoid unnecessary contamination (e.g., walking through known or suspected "hot" zones or contaminated puddles, kneeling or sitting on the ground, leaning against potentially contaminated drums or equipment, etc.).
- Legible and understandable precautionary labels shall be affixed prominently to containers of contaminated scrap, waste, debris and clothing.
- Removal of contamination from protective clothing or equipment by blowing, shaking or any other means which disperses contaminants into the air is prohibited.
- Containers shall be moved with proper equipment only. Containers shall be secured to prevent dropping or loss of control during transport.
- Emergency equipment shall be located in storage areas in readily accessible locations which will remain minimally contaminated in an emergency.

5.6 RESPIRATOR MAINTENANCE, FITTING AND DECONTAMINATION

5.6.1 Air-Purifying Respirators

Air-purifying respirators provide respiratory protection to the wearer in atmospheres where limited concentrations of known contaminants are present. Cartridges must be selected based on a knowledge of the concentration and type of contaminant to be encountered. At a minimum, cartridges must be replaced after each work period (8 hours maximum) or at any time when breakthrough is detected while in use.

The following checks must be performed before donning an air-purifying respirator:

- Exhalation valve - pull off plastic cover and check valve for debris or for tears in the valve which could cause leakage.
- Inhalation valves - screw off both cartridges and visually inspect valves for tears. Make sure that the inhalation valves and cartridge receptacle gaskets are in place.
- Make sure a protective lens cover is attached to the lens.
- Make sure you have the right cartridge, combination organic vapor (not more than 1000 ppm) and HEPA filter cartridge (dust, mist, fumes, asbestos, and radionuclides with a TWA less than 0.05 mg/m3). URSGWC employees will wear MSA brand respirators with GMCP-100 cartridges. Contractor personnel will wear an equivalent cartridge for respirator brands other than MSA.
- Make sure that the face piece harness is not damaged. The serrated portion of the harness can fragment which will prevent proper face seal adjustment.
- Make sure the speaking diaphragm retainer ring is hand tight.

To don respirator, fit facepiece on nose bridge making sure that you are able to breathe through nose. Then swing bottom of facepiece into contact with the chin. When using elastic or rubber headbands, position headbands with longest straps above the ears and over the crown of the head and headbands with shortest straps below the ears around nape of the neck. When using cradle headband, position cradle headband around the crown of the head; position bottom headbands below the ears and around the nape of the neck. Then, adjust the straps for a comfortable fit by moving adjustment slides to lengthen or shorten straps. Adjust the straps just snug enough so that no air leaks around the facepiece. It is not necessary to pull the straps so tight that the respirator digs into the face.

THE RESPIRATOR MUST BE SUBJECTED TO THE FOLLOWING TIGHTNESS TEST BEFORE EACH USE.

Test respirator for leakage using a positive pressure method. Lightly place palm over exhalation valve cover. Exhale gently. A slight positive pressure should build up inside the respirator. If any leakage is detected around the facial seal, readjust head harness straps and repeat test until there is no leakage. If other than facial seal leakage is detected, the condition must be investigated and corrected before another test is made. A negative pressure test should also be performed. Lightly place palms over cartridges or filter holders. Inhale gently and the facepiece should collapse against the face. The respirator must pass the tightness tests before the respirator is used. The respirator will not furnish protection unless all inhaled air is drawn through suitable cartridges or filters.

For specific instructions on air-purifying respirators, consult the manufacturer's directions.

5.6.2 Respirator Decontamination

To decontaminate respirators, the following steps should be undertaken:

- Wash with Alconox soap or equivalent, and water solution and brush gently (this step will remove any soil/solid particulate matter that may have been collected on the respirator during field activities);
- Rinse with distilled/deionized water, making sure that the valves are clean and free of obstruction;
- Wipe with sanitizing solution (this step will assure the sterility of the respirator);
- Allow respirator to dry; and,
- Place the respirator inside a sealed bag or a clean area away from extreme heat or extreme cold.

The URSGWC SSO shall oversee the respirator maintenance program, including documentation of maintenance and repair.

5.7 URSGWC SITE SAFETY OFFICER NOTIFICATIONS

All URSGWC and Contractor field personnel must inform the URSGWC SSO or the Alternate URSGWC SSO before entering the Contamination Reduction Zone or Exclusion Zone.

5.8 URSGWC DAILY HEALTH AND SAFETY SUMMARY REPORT

The URSGWC Daily Health and Safety Summary Report will be used to identify all field personnel and visitors to the Project Area; accidents, injuries, and illnesses; incidences of safety infractions by field personnel; air quality and personal exposure monitoring data; and other information related to health and safety matters. All accidents, illnesses, or other incidents are to be reported promptly to the URSGWC SSO.

5.9 OSHA INFORMATION POSTER

In accordance with the Occupational Safety and Health Act of 1970, a copy of the OSHA information poster must be present on all sites. It should be posted at full size (11 in x 17 in) in the office trailer. Additional copies of this poster are available from the URSGWC HSM.

5.10 PROHIBITIONS

- Smoking, eating, drinking, chewing tobacco or toothpicks, application of cosmetics, storing food or food containers, or having open fires will not be permitted in the Contamination Reduction Zone or Exclusion Zone. Good personal hygiene will be practiced by field personnel to avoid ingestion of contaminants.

- Approach or entry into areas or confined spaces where toxic or explosive concentrations of gases or dusts or other potential hazards may exist without proper equipment will be prohibited.

5.11 INITIAL SITE SAFETY MEETING AND SIGNING OF HEALTH AND SAFETY PLAN COMPLIANCE AGREEMENT

The URSGWC SSO will hold an initial site safety meeting with URSGWC and Contractor field personnel before work activities start in the Contamination Reduction Zone or Exclusion Zone. During this meeting, it will be verified that all personnel who will enter the Contamination Reduction Zone or Exclusion Zone have been provided with or have reviewed a HASP for the work activities to be performed. For URSGWC and Contractor personnel whose employer(s) have adopted this HASP, the HASP shall be reviewed, discussed and questions will be answered. Signed Health and Safety Plan Compliance Agreement Forms (Section 13.0 of this HASP) of personnel who will be following this HASP will be collected by the URSGWC SSO and filed. Individuals refusing to sign the Form will not be allowed to enter the Contamination Reduction Zone or Exclusion Zone.

Potential subjects to be discussed are presented below:

1. Preliminary

   - Medical clearances.
   - Written HASP availability.
   - Personal protective equipment and decontamination equipment availability for checkout, demonstration and fit testing (if necessary).

2. Training topics

   - Delineation of personnel responsibilities.
   - Review of HASP including:
     - types of hazards;
     - pathways of exposure;
     - levels of protection;
     - contamination avoidance;
     - confined space entry;
     - physical hazards;
     - decontamination;
     - emergency procedures and incident notification; and,
     - specific areas/work tasks of concern.

- Decontamination review including:
  - delineation of work zones; and,
  - set-up of decontamination equipment.
- Personnel protective equipment - use and dress out procedures.
- Monitoring equipment review.
- Questions and answers.

5.12 DAILY SITE SAFETY BRIEFINGS

During field operations, site safety briefings will be held at the start of each work shift by the URSGWC SSO to review and plan specific health and safety aspects of scheduled work. All field personnel who are following this HASP and working within the Contamination Reduction Zone or Exclusion Zone are required to attend these briefings.

5.13 SITE SECURITY

- Access to the work area will be controlled.
- Only authorized personnel will be permitted to enter the work area.
- All persons entering the work area will be equipped with appropriate personal protective equipment.
- All personnel entering the Contamination Reduction Zone or Exclusion Zone must be familiar with and abide by the HASP.

5.14 HAZARD COMMUNICATION

URSGWC complies with the requirements of the OSHA Hazard Communication Standard as required by OSHA Regulations 29 CFR 1910.1200. Material Safety Data Sheets (MSDS) will be available at the project area. Data on these materials will be presented as part of the initial site safety meeting. The URSGWC SSO is responsible for maintaining an MSDS file for all materials which are brought into the project area to which URSGWC personnel may be exposed and are not included in the HASP. Personnel shall receive training for safe use of these materials during site safety meetings and briefings as required.

6.1 AIR QUALITY MONITORING INSTRUMENTATION

While performing field activities in the project area, air quality surveys will be performed and the results will be recorded. Several instruments that may be used to monitor air quality are discussed below:

- Photoionization Detector

  The Photoionization Detector (PID) will be used to detect trace concentrations of certain organic gases and a few inorganic gases in the air. Methane, ethane and the major components of air are not detected by the PID. The PID probe selected for this project is the 10.2 eV due to its ability to quantify the group of contaminants of concern at the project area. The PID detects mixtures of compounds simultaneously. PID readings do not measure concentrations of any individual compound when a mixture of compounds is present.

  The PID will be calibrated before each work shift using an isobutylene standard for calibration. Calibrations will be documented. PID readings will be measured in the breathing zone of the most highly exposed worker (i.e., closest to the source) at least each 30 minutes.

- Personal Monitor for Aerosol and Dust

  The MIE, Inc. Personal DataRAM Monitor for Aerosol and Dust (DataRAM) or equivalent will be used during dust generating activities (e.g., soil removal activities) to detect and quantify the concentration of fugitive dust that may be created during these activities. The DataRAM must be calibrated before start of work.

- Combustible Gas Indicator/Oxygen Meter

  The Combustible Gas Indicator/Oxygen Meter (CGI) may be used at the discretion of the URSGWC SSO to measure the concentration of flammable vapors and gases, oxygen and hydrogen sulfide in the air during field activities. Flammable gas concentrations are measured as percentages of the Lower Explosion Limit (LEL). Oxygen content is measured as a percentage of total air. Hydrogen sulfide concentration is measured in parts per million.

- Multigas Detector Tubes

  Multigas Detector Tubes may be used at the discretion of the URSGWC SSO to detect and quantify the concentration of selected contaminants in air. The detector tubes to be employed must be sensitive in the concentration ranges in the OSHA Permissible Exposure Limit (PEL) range for those contaminants. It should be realized that most "compound specific" detector tubes also detect other aromatic or aliphatic hydrocarbons; readings do not differentiate between which compounds are present. A pump and detector tubes for benzene, which has a relatively low OSHA PEL, and hydrogen sulfide will be present at the project area at all times. The tube readings will be compared to OSHA PELs to determine what level of protection is required. If PID or OVA FID readings are elevated when compared to background (i.e., 4 ppm or more above background) or if free product and/or odorous material are detected,

then detector tubes for benzene will be employed. Detector tubes for hydrogen sulfide will be employed when the hydrogen sulfide reading on the CGI exceeds 4 ppm.

The detector tube readings should be compared to OSHA PELs to determine which level of PPE is required. Information concerning the use of detector tubes, including the reasons for use, results of readings and actions taken, will be thoroughly documented in the URSGWC Project Health and Safety Summary Report.

6.2 DETERMINATION OF BACKGROUND LEVELS OF ORGANIC VAPORS

Background levels for the purpose of evaluating PID and OVA FID readings will be taken at least once per work shift. Background levels will be taken in an area free from project area contaminants. Although background measurements will be taken, air quality response levels are not to be effected by these measurements unless background contaminants are identified and an Addendum addressing this issue is prepared by the URSGWC HSM.

6.3 AIR QUALITY MONITORING PROGRAM

6.3.1 Air Quality Monitoring Locations, Instrumentation, Techniques and Frequency

Air quality monitoring will be performed using a PID and/or OVA FID at least each 30 minutes in the breathing zone of the most highly exposed worker (i.e., closest to the source) at the Project Area.

Air quality monitoring will be performed using a CGI at least hourly in areas where flammable conditions, oxygen deprivation or enrichment, and/or elevated levels of hydrogen sulfide may develop.

Air quality monitoring using other instruments will be performed at the discretion of the URSGWC SSO based on actual field conditions.

6.3.2 Air Quality Response Levels

A number of response levels will be used during field work if airborne contaminants are encountered during air monitoring. The URSGWC HSM will be notified as soon as practical of upgrading from the initial levels of protection. The following response levels will apply to the work activities covered by this HASP.

AIR QUALITY MEASUREMENT	RESPONSE
PID reading less than 5 ppm above background CGI reading less than 20% LEL Oxygen reading greater than 19.5% and less than 23.5% Benzene reading less than 0.5 ppm (Detector Tubes) Fugitive dust reading less than 2.5 mg/m^3	Level D Protection or Modified Level D Protection (at the discretion of URSGWC SSO)
PID reading greater than 5 ppm and less than 10 ppm Benzene reading greater than 0.5 ppm and less than 5 ppm (Detector Tubes) Fugitive dust reading greater than 2.5 mg/m^3 and less than 10 mg/m^3	Level C Protection
PID reading greater than 25 ppm Oxygen reading less than 19.5% or greater than 23.5% Benzene reading greater than 15 ppm (Detector Tubes) Fugitive dust reading greater than 10 mg/m^3	Suspend work in immediate area and notify URSGWC HSM and URSGWC Project Manager. Conduct air monitoring periodically to determine when work may be continued. Take mitigative measures as discussed in Section 6.4 to suppress emissions as appropriate.
CGI reading greater than 20% LEL	All ignition sources will be shut off. The work area will be evacuated immediately. Work will not resume until the CGI readings are continuously below 20% LEL for 15 minutes or more.

The air quality measurement requiring the highest level of protection will govern response level for any task.

All air quality measurements, with the exception of CGI measurements for flammable vapors and gases, should be made in the breathing zone of personnel who, in the opinion of the URSGWC SSO, are most exposed to airborne contaminants. Measurements of flammable vapor and gas levels should be made in the vicinity of the nearest ignition source.

Should work be conducted using respiratory protection, the need for a personal exposure monitoring program will be evaluated by the URSGWC HSM The personal monitoring program will be in addition to the existing air monitoring program. This program will provide more quantitative and qualitative data on worker exposure to airborne contaminants. The program will consist of the collection of air "grab" samples using a variety of National Institute for Occupational Safety and Health (NIOSH), United States Environmental Protection Agency

(USEPA), and OSHA approved methods and analytical procedures. Details of this program and any monitoring equipment required for its implementation will be specified in an Addendum to this HASP prepared by the URSGWC HSM.

6.4 MITIGATIVE MEASURES FOR CONTROL OF EMISSIONS

Vapor emissions resulting from normal field operations conducted outside, if they were to occur, are not anticipated to exceed the response levels. If the response levels are exceeded at any monitoring location, implementation of mitigative measures to suppress vapor emissions will be required. Appropriate mitigative measures include ceasing operations until the exact cause of the emissions can be identified and corrected. Vapor control actions include vapor suppression foams or covering exposed soil piles with plastic sheeting.

Fugitive dust emission control actions would include minimizing the area which is subject to disturbance at any one time and limiting the movement of trucks and construction equipment over exposed soil surfaces. During dry weather conditions, water may be used to help control dust on unpaved areas subject to heavy vehicle traffic and during loading of the contaminated soil pile. Attempts will be made to keep large paved areas clear of loose soil that can be re-entrained into the air during vehicle passage. The use of stone tracking pads at access points to the work area will also lessen the tracking of soil onto adjacent roadways.

7.1 DESCRIPTION OF LEVELS OF PERSONAL PROTECTIVE EQUIPMENT

The personal protective clothing and equipment (PPE) specified in this HASP will be available to all field personnel. The following requirements will be followed in accordance with OSHA regulations:

- facial hair that interferes with the proper fit of respirators must not be worn;
- contact lenses must not be worn; and,
- eyeglasses that interfere with the proper fit of full-face respirators must not be worn.

The following levels of personal protective equipment may be required during work activities covered by this HASP.

Level D Personal Protective Equipment

- Hard hat
- Safety glasses or goggles
- Steel-toed work boots, or steel-toed rubber boots, or rubber overboots or disposable "booties" over steel-toed work boots[1]
- Nitrile-butadiene rubber outer gloves[1]
- Latex or vinyl surgical gloves (to be worn underneath outer gloves)[1]
- Regular Tyvek® coveralls[1]

[1] Optional, at discretion of URSGWC SSO or if any visible contamination is present.

Modified Level D Personal Protective Equipment

- Hard hat
- Safety glasses or goggles
- Steel-toed rubber boots, or rubber overboots or disposable "booties" over steel-toed work boots
- Nitrile-butadiene rubber outer gloves
- Latex or vinyl surgical gloves[1] (to be work underneath outer gloves)
- Polyethylene coated or Saranex® impregnated Tyvek® coveralls[1] (taped at cuffs)

[1] Choice at discretion of URSGWC SSO.

Level C Personal Protective Equipment

- Hard hat
- Full-face MSA respirator with GMCP-100 combination cartridges, or equivalent
- Steel-toed rubber boots, or rubber overboots or disposable "booties" over steel-toed work boots[1]
- Nitrile-butadiene rubber outer gloves
- Latex or vinyl surgical gloves[1] (to be worn underneath outer gloves)
- Polyethylene coated or Saranex® impregnated Tyvek® hooded coveralls[1] (taped at cuffs, zipper and respirator)

[1] Choice at discretion of URSGWC SSO.

Air monitoring equipment described previously will be provided. First aid kits, eye-wash stations, multi-purpose dry chemical UL Class A-B-C fire extinguishers, and alarm horns will be present at the Project Area at locations and numbers as appropriate at the discretion of the URSGWC SSO.

Selection of the PPE specified for these work activities is based on a review of the identified or suspected hazards, routes of potential exposure to workers (e.g., inhalation, skin absorption, ingestion, skin or eye contact, etc.) and the performance of the PPE in providing a barrier to these hazards. In addition, the choice of PPE has been reviewed to match the work requirements and task-specific conditions to provide adequate protection without causing unnecessary physical impairment to the worker.

7.2 INITIAL LEVELS OF PROTECTION

The initial PPE level for the work activities described in Section 3.0, Scope of Work and in Section 4.6 Task-By-Task Hazard Analysis is Level D. This initial level of protection may be upgraded as appropriate by the URSGWC SSO or URSGWC HSM based on the results of the air quality monitoring program.

To minimize the movement of contaminants from contaminated areas to uncontaminated areas, three work zones will be set up in the project area. The three work zones will consist of the following:

- Exclusion Zone;
- Contamination Reduction Zone; and,
- Support Zone.

The Exclusion Zone is the area where contamination occurs or could occur. Initially, the Exclusion Zone will extend a distance of 25 ft from the edge of intrusive activity unless conditions at the work area warrant either a larger or smaller distance as determined by the URSGWC SSO. All persons entering the Exclusion Zone will wear the applicable personal protective equipment as set forth in Section 7.1, Personal Protective Equipment and Section 7.2, Initial Levels of Protection. Exclusion Zones will be established at each individual area of intrusive work and at decontamination locations rather than encompass the entire Project Area.

The Support Zone is the area where significant exposure to contamination is not expected to occur during non-intrusive activities. The Support Zone is considered to be the "clean area" of the project area.

Between the Exclusion Zone and Support Zone is the Contamination Reduction Zone which provides a transition zone between the contaminated and clean areas. The Contamination Reduction Zone will be located directly outside of the Exclusion Zone. All personnel must decontaminate when leaving the Exclusion Zone. A Contamination Reduction Zone (Decontamination Zone) will be established adjacent to each individual area of intrusive work. The Contamination Reduction Zone will be delineated by using warning tape, snow fence, and/or traffic cones in addition to posting directions (to exit and enter the Exclusion Zone) and signs, as appropriate.

9.1 PERSONNEL DECONTAMINATION PROCEDURES

The following steps will be taken for decontamination of personnel:

- Deposit equipment that needs to be decontaminated on plastic drop cloths.
- Wash boots and outer gloves with long handled brushes in wash tub containing Alconox or equivalent, and water.
- Rinse boots and outer gloves with long handled brushes in a wash tub containing clear water or use a sprayer to rinse off boots and gloves.
- Remove tape and place in disposal drum.
- Remove outer gloves and place in disposal drum.
- Remove coveralls and place in disposal drum.
- Remove respirator and place on table to be decontaminated.
- Remove inner gloves and place in disposal drum.
- Wash hands and face.

Decontamination procedures will be reviewed and revised, as necessary, by the URSGWC SSO to be appropriate for the nature and level of the contamination. Decontamination for some work activities may be limited to visual inspection for contaminants prior to leaving the work area.

9.2 EQUIPMENT, VEHICLE, AND FIELD INSTRUMENT DECONTAMINATION PROCEDURES

9.2.1 Decontamination of Large Equipment and Site Vehicles

If necessary, a decontamination pad will be constructed and will function as a washdown area for all large equipment and vehicles used in the Exclusion Zone.

Large equipment and vehicles will be placed (driven) onto the decontamination pad. Gross contamination will be removed through the use of shovels and/or brooms prior to large equipment and vehicles being washed with a high pressure, hot water washer, with cleaning agents being used on an as-needed basis to assist in the removal of contamination. All waters should drain to a collection basin and be disposed of appropriately.

The upper sections of the decontamination pad will be enclosed with a plastic sheeting, if necessary, to control the spray from the pressure washer.

Large equipment and vehicles will be held for a short period of time to allow for the drippings to be retained in the collection basin.

9.2.2 Decontamination of Field and Small Equipment

Field instruments should be cleaned in accordance with instructions of the manufacturer. Probes such as those used in pH and conductivity meters will be rinsed after each use with deionized water. When possible, instruments which are difficult to decontaminate, such as cameras and logging instruments, may be protectively wrapped to reduce or eliminate the need for decontamination.

Small equipment will be decontaminated using appropriate portions of the personnel decontamination procedures.

9.2.3 Decontamination of Other Equipment and Vehicles

For delivery trucks which have been in the Exclusion Zone, only the tires will need to be decontaminated (unless visual evidence of contamination is observed); this will be accomplished by spraying them with a high pressure, hot water washer, with cleaning agents being used on an as-needed basis to assist in the removal of contamination before leaving the work area.

Only those areas of large non-intrusive equipment (e.g., cranes, etc.) which have come into contact with potentially contaminated materials (e.g., tracks, cab, etc.) will require washing with a high pressure, hot water washer, with cleaning agents being used on an as-needed basis to assist in the removal of contamination.

9.2.4 Disposal of Decontamination Fluids

Decontamination fluids will be disposed of in accordance with the work plan and any other federal, state and local requirements.

The health concerns for the community are of utmost concern: Precautions undertaken to prevent any contamination from leaving the project area include:

- All contaminated equipment will be decontaminated before leaving the Contamination Reduction Zone or Exclusion Zone.
- Dust and vapor suppression techniques will be used, as necessary, to keep emissions at acceptable levels.

The purpose of this section of the HASP is to address how personnel will respond to emergencies. The types of potential emergencies that are addressed by this plan include:

- Fire;
- Chemical exposures to personnel; and,
- Physical injuries to personnel.

After any emergency, the URSGWC SSO shall document in a detailed emergency summary report the nature of the emergency, causes for occurrence, chemical exposures or physical injuries to personnel, physical damage, and emergency responses taken. This report shall be in addition to the Health and Safety Incident Report. Copies of this report must be submitted to the URSGWC Project Manager, the URSGWC Field Supervisor, and the URSGWC HSM within 24 hours of the emergency. The URSGWC HSM will review this report as soon as possible and issue a critique of the response to the emergency within 48 hours of receiving the report; this critique will be distributed to all personnel receiving copies of the emergency summary report. If this critique indicates that additional emergency response equipment, training, personnel or response procedures are required at the Site, these actions will be implemented as soon as possible.

11.1 EMERGENCY RECOGNITION AND PREVENTION

11.1.1 Fires

Fires are possible whenever flammable gases or vapors are present in proper concentrations and an ignition source is present. The construction equipment itself provides an ignition source. To prevent fires, a CGI as specified in Section 6.0 will be used by the URSGWC SSO to detect flammable concentrations of gases or vapors. Ignition sources (including construction equipment) will be turned off and the area evacuated if vapors or gases reach 20 percent of the LEL. Work will not resume until the URSGWC SSO observes CGI flammable gas concentrations continuously below 20 percent of the LEL for 15 minutes or more.

11.1.2 Chemical Exposures

Work will be performed in such a manner that exposure to contaminants through skin or eye contact, inhalation, or ingestion is minimized. Work practices that will be followed to reduce chemical exposures include:

- PPE, as specified in Section 7.0, for the appropriate work activities and areas as defined by the URSGWC SSO, will be used by all URSGWC and Contractor personnel. A formal revision to the HASP must be made by the URSGWC HSM in order to modify the PPE requirements.
- Keep hands away from face during work activities.
- Minimize all skin and eye contact with contaminants.

Early recognition of chemical exposure symptoms is essential to the prevention of serious chemical exposure incidents. Symptoms of exposure to the type of compounds potentially present at the Site include the following: fatigue; weakness; eye, nose or throat irritation; headache; dizziness; nausea; vomiting; malaise; tremors; aggressive confusion; cyanosis (blue color to skin); anemia and muscle spasms.

If a person experiences any of these symptoms, or others, or recognizes any of the symptoms in a fellow worker, the person experiencing the symptoms will stop work and report his or her symptoms to the URSGWC SSO. If the symptoms persist or appear to be damaging in any way, the URSGWC SSO will make arrangements to take the individual to a hospital for medical treatment. If symptoms are serious, work activities in the area where the person was exposed will be discontinued until more is known about the incident. Incident reporting procedures as specified in Section 5.3 will be initiated.

11.1.3 Physical Injury

Personnel should constantly look for potential safety hazards such as holes or ditches; precariously positioned objects, such as drums or equipment that may fall; sharp objects, such as nails, metal shards, and broken glass; protruding objects at eye or head level; slippery surfaces; steep grades; or uneven terrain or unstable surfaces such as walls that may cave in or flooring that may give way. Personnel will inform the URSGWC SSO of any potential hazards identified so that corrective mitigative action can be taken.

11.2 EMERGENCY ALERTING

The following emergency alerting procedures shall be implemented if deemed necessary based on actual field conditions by the URSGWC SSO.

The URSGWC SSO will use a portable radio or direct contact to alert the appropriate work groups when and if an emergency occurs. The URSGWC SSO and any isolated work group will carry two-way radios if reasonable contact cannot be maintained. If radios fail, blast(s) from an alarm horn will be used to signal workers. The following signals will be used:

one long blast	-	evacuate area
two short blasts	-	localized problem (no danger to workers)
two long blasts	-	all clear
three short blasts	-	medical emergency

11.3 SITE SECURITY, SITE CONTROL AND SITE EVACUATION PROCEDURES

In emergency situations, the following actions will be enforced:

- All personnel will meet at a location upwind from the emergency. This area will be designated daily by the URSGWC SSO at the Site Safety Briefing.

- Security and control of the work area will be the responsibility of the URSGWC SSO. The URSGWC SSO will coordinate the emergency situation with appropriate personnel and emergency responders: (e.g., fire department, ambulance squad, haz-mat responders, etc.).
- Site security personnel will not permit any additional personnel (with the exception of emergency response personnel) from entering the work area.
- If an emergency occurs in the Exclusion Zone, personnel in the Exclusion Zone will proceed immediately to the Contamination Reduction Zone to decontaminate, then proceed to an upwind location. If this is not possible, personnel will leave the area of the emergency as soon as possible by the nearest point of egress from the Exclusion Zone, remove contaminated protective clothing, contain this protective clothing as well as possible to mitigate spread of contaminants, and proceed to an upwind location.
- The URSGWC SSO will communicate with Contractor supervisors during emergencies. Contractor supervisors will then relay information to their employees. Portable radios, if available, or audio and/or visual signals will be used to communicate the nature of the emergency and response actions.

11.4 EMERGENCY TELEPHONE NUMBERS

Emergency telephone numbers are given below:

EMERGENCY SERVICES

NOTE: THERE IS NO "911" SERVICE IN AMENIA AT THIS TIME

Ambulance / Rescue	914-471-1414
Fire Department	914-471-1414
State Police	914-373-4300
	914-877-3031 (non-emergency)
EPA Environmental Response Team	732-321-6660
Sharon Hospital	860-364-4141
50 Hospital Hill Road	
Sharon, CT 06069	
USEPA National Response Center	(800) 438-2427
U.S. Coast Guard/USEPA National Response Center	(800) 424-8802

IN THE EVENT THAT MEDICAL ATTENTION IS REQUIRED, THE URSGWC SSO WILL DIAL 914-471-1414 FOR EMERGENCY SERVICES TO TRANSPORT THE INJURED PERSON TO THE NEAREST MEDICAL FACILITY.

THESE EMERGENCY TELEPHONE NUMBERS WILL BE VERIFIED BY THE URSGWC FIELD SUPERVISOR OR URSGWC SSO PRIOR TO THE INITIATION OF FIELDWORK.

11.5 EMERGENCY RESPONSE PROCEDURES

11.5.1 Emergency Response Personnel

The URSGWC SSO will have the primary role in responding to all emergencies in the work area. All personnel working in the work area will contact the URSGWC SSO in case of emergency. The URSGWC SSO or designee must be present in the work area during all work activities. If reasonable contact cannot be maintained, the URSGWC SSO will carry a two-way portable radio and each isolated activity group will also have a two-way portable radio. If any emergency such as a fire, chemical exposure or physical injury occurs, the URSGWC SSO will be immediately contacted. The URSGWC SSO, or designee performing in this capacity, will be trained in First Aid. In cases of emergency response, all field personnel will take direction from the URSGWC SSO. If the URSGWC SSO or designee is not present, the URSGWC Field Supervisor will respond to emergencies.

11.5.2 Emergency Response Equipment

The following emergency response equipment is maintained by the URSGWC SSO:

Eye Wash

Safety Shower

First Aid Kit

First Aid Directions

20-lb A:B:C Fire Extinguishers

Hand-held Spotlight with Flood Reflector (if conditions warrant)

The supplying of these emergency response equipment at the Site does not reduce the need to contact appropriate off-site emergency response agencies during emergencies.

11.6 EMERGENCY DECONTAMINATION PROCEDURES

Decontamination of an injured or exposed worker will be performed only if decontamination does not interfere with essential treatment.

If decontamination can be done: wash, rinse and/or cut off protective clothing and equipment.

If decontamination cannot be done:

- Wrap the victim in blankets or plastic sheeting to reduce contamination of other personnel;
- Alert emergency and medical personnel to potential contamination; and,
- Arrange to have URSGWC SSO or other personnel familiar with the incident and contaminants at the site accompany the victim to the hospital.

11.7 ON-SITE MEDICAL TREATMENT AND EMERGENCY FIRST AID PROCEDURES

Medical treatment and first aid may be administered by the URSGWC SSO or other personnel who have been trained in First Aid. General first aid procedures include:

- Remove the injured or exposed person(s) from immediate danger. Support head, neck and back whenever a victim of trauma, including falls, must be moved.
- Render first aid, if necessary, and decontaminate affected personnel, if necessary.
- Call an ambulance for transport to local hospital immediately. This procedure should be followed even if there is no apparent serious injury. Emergency telephone numbers are listed in Section 11.4
- Evacuate other personnel to a safe place until the URSGWC SSO (assisted by the URSGWC Field Supervisor) determines that it is safe for work to resume.
- Report the accident to the URSGWC HSM and URSGWC Project Manager immediately.

Dan Bertolotti MEC — 8/9/99

Benjamin J Bertolotti
URSGWC Wayne Office
Health and Safety Officer

Date

Gordon Jamieson MEC — 8/9/99

Gordon Jamieson
URSGWC Project Manager

Date

8/10/99

Rodney D. Petri
URSGWC Regional
Health and Safety Manager

Date

I, _____ (print name), have received a copy of the Health and Safety Plan for the Amenia Town Landfill Site, Drummed Waste and Soil Disposal Project (URSGWC Project No. 47-09E0407800.00). I have read the Health and Safety Plan, understand it, and agree to comply with all of its provisions. I understand that I could be prohibited from working on the project for violating any of the safety requirements specified in the Health and Safety Plan.

Signed:

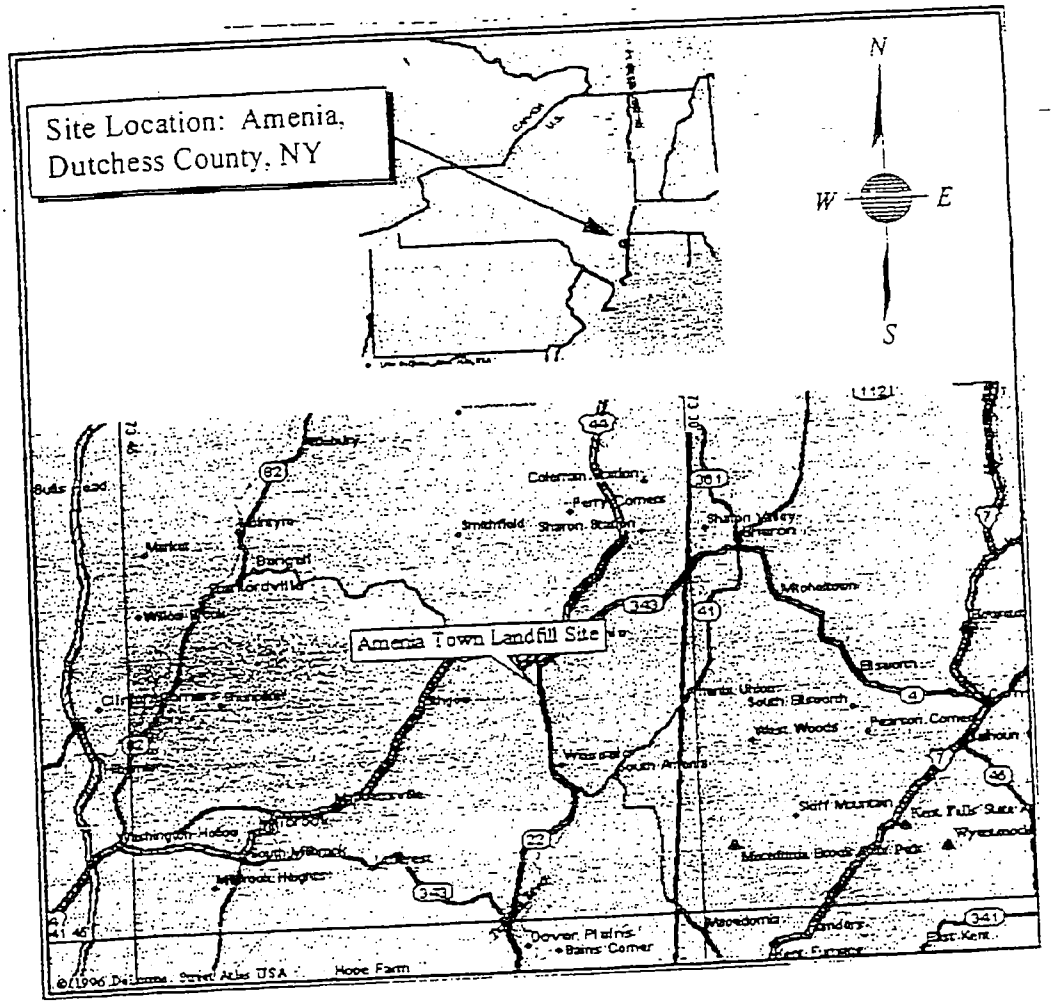
_____ _____

Signature Date

_____

Company

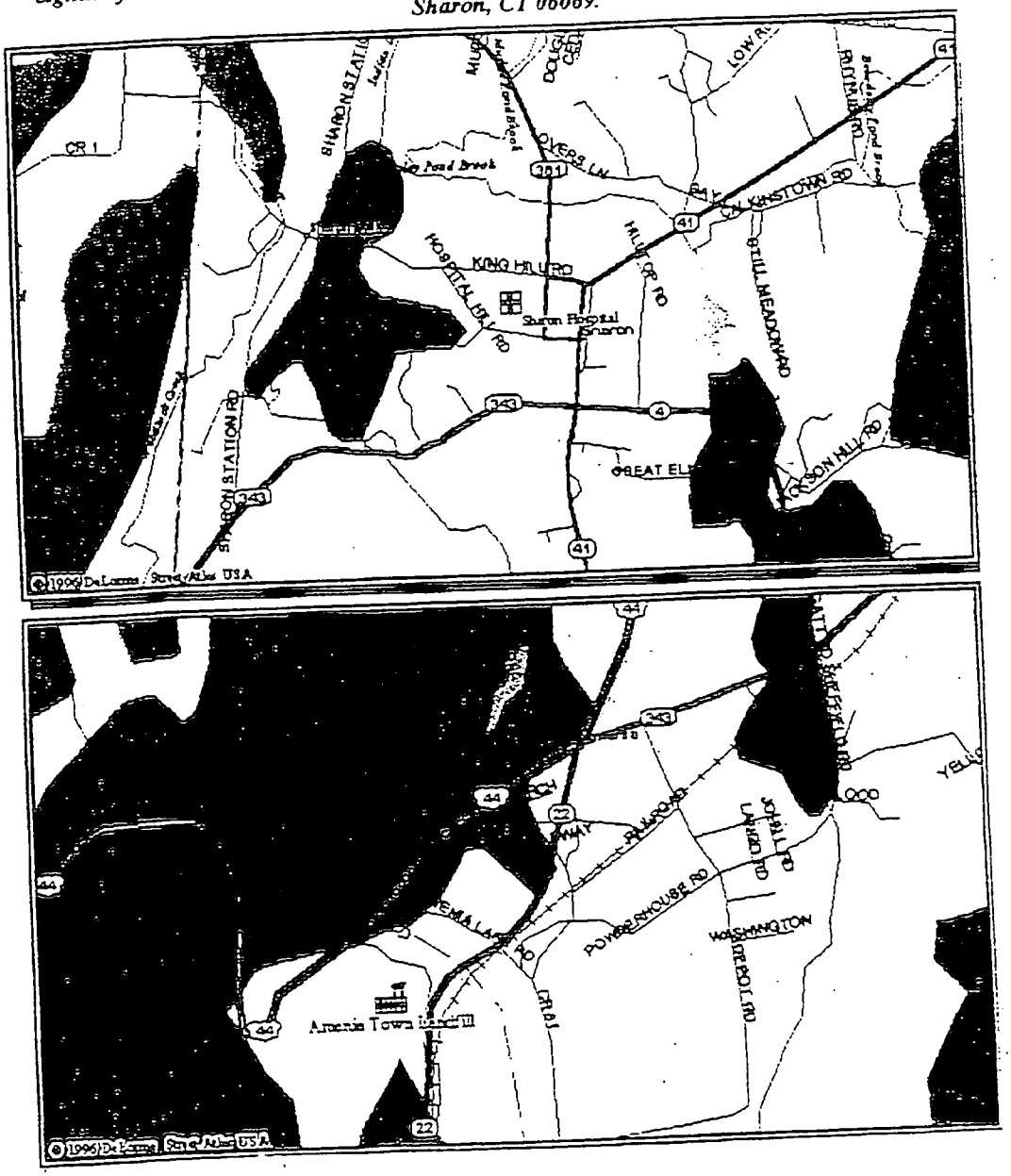
FIGURE 1



100385

FIGURE 2

From Route 22, proceed north towards Amenia. Make a right turn at the junction of Route 343. Proceed five miles to Sharon, CT. You will reach a stop sign at Main Street, make a left onto Main Street. Go to the next stop sign and make a left onto Hospital Hill road. Sharon Hospital is one eighth of a mile or less on the right side. Address of Sharon Hospital is 50 Hospital Hill Road, Sharon, CT 06069.



100386

201.1 PURPOSE

The purpose of this Operating Procedure is to provide general information on heat stress and the methods that can be utilized to prevent or minimize the occurrence of heat stress.

Adverse climatic conditions are important considerations in planning and conducting site operations. Ambient temperature effects can include physical discomfort, reduced efficiency, personal injury, and increased accident probability. Heat stress is of particular concern while wearing impermeable protective garments, since these garments inhibit evaporative body cooling.

201.2 TYPES OF HEAT STRESS

Heat stress is the combination of environmental and physical work factors that constitute the total heat load imposed on the body. The environmental factors of heat stress are the air temperature, radiant heat exchange, air movement, and water vapor pressure. Physical work contributes to the total heat stress of the job by producing metabolic heat in the body in proportion to the intensity of the work. The amount and type of clothing also affects heat stress.

Heat strain is the series of physiological responses to heat stress. When the strain is excessive for the exposed individual, a feeling of discomfort or distress may result, and, finally, a heat disorder may ensue. The severity of strain will depend not only on the magnitude of the prevailing stress, but also on the age, physical fitness, degree of acclimatization, and dehydration of the worker.

Heat disorder is a general term used to describe one or more of the heat-related disabilities or illnesses shown in Table 201-1.

201.3 METHODS OF CONTROLLING HEAT STRESS

As many of the following control measures, as appropriate, should be utilized to aid in controlling heat stress:

- Provide for adequate liquids to replace lost body fluids. Encourage personnel to drink more than the amount required to satisfy thirst. Thirst satisfaction is not an accurate indicator of adequate salt and fluid replacement.
- Replace body fluids primarily with water, with commercial mixes such as Gatorade or Quick Kick used only as a portion of the replacement fluids. Avoid excessive use of caffeine drinks such as coffee, colas or tea.
- Establish a work regimen that will provide adequate rest periods for cooling down. The heat exposure Threshold Limit Values (TLV) may be used for guidelines.
- Provide shaded work areas, if possible.
- Wear cooling devices such as vortex tubes or cooling vests.
- Consider adjusting work hours to avoid the worst heat of the day.
- Take breaks in a cool rest area.

- Remove any impermeable protective garments during rest periods.
- Do not assign other tasks to personnel during rest periods.
- Inform personnel of the importance of adequate rest, acclimation, and proper diet in the prevention of heat stress.

201.4 MONITORING

201.4.1 Temperature

The environmental heat stress of an area can be monitored by the Wet Bulb Globe Temperature Index (WBGT) technique. When heat stress is a possibility, a heat stress monitoring device, such as the Wibget Heat Stress Monitor (Reuter Stokes) can be utilized.

The WBGT shall be compared to the TLV outlined by the American Conference of Governmental Industrial Hygienists (ACGIH) TLV guides, and a work-rest regiment can be established in accordance with the WBGT. Note that approximately 5°C must be subtracted from the TLVs listed for heat stress to compensate for the wearing of impermeable protective clothing.

201.4.2 Medical

In addition to the provisions of the Woodward-Clyde (WC) medical surveillance program, on-site medical monitoring of personnel should be performed for projects where heat stress is a significant concern. Blood pressure, pulse, body temperature (oral), and body weight loss may be utilized.

Heart Rate: Count the radial pulse during a 30-second period as early as possible in the rest period. If the heart rate exceeds 110 beats per minute at the beginning of the rest period, shorten the next work cycle by one-third. If the heart rate still exceeds 110 beats per minute at the next rest cycle, shorten the following work cycle by one-third.

Oral Temperature: Use a clinical thermometer or similar device to measure the oral temperature at the end of the work period (before drinking liquids). If the oral temperature exceeds 99.6°F (37.6°C), shorten the next work cycle by one-third without changing the rest period. If the oral temperature still exceeds 99.6°F (37.6°C) at the beginning of the next rest period, shorten the following work cycle by one-third.

Do not permit a worker to wear a semipermeable or impermeable garment if his/her oral temperature exceeds 100.6°F (38.1°C).

Body Water Loss: Measure body weight on a scale accurate to ±0.25 pounds at the beginning and end of each work day (also at lunch break, if possible) to see if enough fluids are being taken to prevent dehydration. Weights should be taken while the employee wears similar clothing or, ideally, nude. The body water loss should not exceed 1.5 percent total body weight loss in a work day.

Physiological Monitoring: Initially, the frequency of physiological monitoring depends on the air temperature adjusted for solar radiation and the level of physical work. The length of the work cycle will be governed by the frequency of the required physiological monitoring.

201.5 REFERENCES

- American Conference of Governmental Industrial Hygienists, Threshold Limit Values for Chemical Substances and Physical Agents, 1992-1993.
- EPA, Standard Operating Safety Guides, 1992, Pages 91-93.
- National Institute for Occupational Safety and Health, Criteria for a Recommended Standard: Occupational Exposure to Hot Environments, 1986.

TABLE 201-1

Classification, Medical Aspects, and Prevention of Heat Illness

Category and Clinical Features	Predisposing Factors	Underlying Physiological Disturbances	Treatment	Prevention
Temperature Regulation Heatstroke Heatstroke: • Hot, dry skin; usually red, mottled, or cyanotic; • Rectal temperature 40.5°C (104°F) and over; • Confusion, loss of consciousness, convulsions, rectal temperature continues to rise; fatal if treatment is delayed.	• Sustained exertion in heat by unacclimatized workers; • Lack of physical fitness and obesity; • Recent alcohol intake • Dehydration; • Individual susceptibility; and • Chronic cardiovascular disease	Failure of the central drive for sweating (cause unknown) leading to loss of evaporative cooling and an uncontrolled accelerating rise in t_{re}; there may be partial rather then complete failure of sweating.	• Immediate and rapid cooling by immersion in chilled water with massage or by wrapping in wet sheet with vigorous fanning with cool dry air; • Avoid overcooling; • Treat shock if present	• Medical screening of workers, selection based on health and physical fitness; • Acclimatization for 5-7 days by graded work and heat exposure; • Monitoring workers during sustained work in severe heat
Circulatory Hypostasis Heat Syncope Fainting while standing erect and immobile in heat.	Lack of acclimatization	Pooling of blood in dilated vessels of skin and lower parts of body.	• Remove to cooler area; • Rest in recumbent position; • Recovery prompt and complete	Acclimatization; intermittent activity to assist venous return to heat

100391

HS-201

Category and Clinical Features	Predisposing Factors	Underlying Physiological Disturbances	Treatment	Prevention
Water and or Salt Depletion a) <u>Heat Cramps</u> Painful spasms of muscles used during work (arms, legs, or abdominal); onset during or after work hours. b) <u>Heat Exhaustion</u> • Fatigue, nausea, headache, giddiness • Skin clammy and moist; complexion pale, muddy, or hectic flush; • May faint on standing with rapid steady pulse and low blood pressure; • Oral temperature normal or low, but rectal temperature usually elevated (37.5-38.5°C or 99.5-101.3°F); water restriction type: urine volume small, highly concentrated; salt restriction type; urine less concentrated; chlorides less than 3 g/L.	• Heavy sweating during hot work; • Drinking large volumes of water without replacing salt loss • Sustained exertion in heat; • Lack of acclimatization; and • Failure to replace water lost in sweat	• Loss of body salt in sweat, • Water intake dilutes electrolytes; • Water enters muscles, causing spasm • Dehydration from deficiency of water; • Depletion of circulating blood volume; • Circulatory strain from competing demands for blood flow to skin and to active muscles	Salted liquids by mouth or more prompt relief by IV infusion. • Remove to cooler environment; • Rest in recumbent position • Administer fluids by mouth; • Keep at rest until urine volume indicates that water balances have been restored	Adequate salt intake with meals; for unacclimatized workers, supplement salt intake at meals. • Acclimatize workers using a breaking-in schedule for 5-7 days; • Supplement dietary salt only during acclimatization; • Ample drinking water to be available at all times and to be taken frequently during work day
Skin Eruptions				

Category and Clinical Features	Predisposing Factors	Underlying Physiological Disturbances	Treatment	Prevention
a) Heat Rash: (malaria rubra, or "prickly heat") Profuse tiny raised red vesicles (blisterlike) on affected areas; prickling sensations during heat exposure.	Unrelieved exposure to humid heat with skin continuously wet from unevaporated sweat.	Plugging of sweat gland ducts with sweat retention and inflammatory reaction.	• Mild drying lotions; • Skin cleanliness to prevent infection	Cool sleeping quarters to allow skin to dry between heat exposures
b) Anhidrotic Heat Exhaustion: (malaria profunda) Extensive areas of skin which do not sweat on heat exposure, but present gooseflesh appearance, which subsides with cool environments; associated with incapacitation in heat.	Weeks or months of constant exposure to climatic heat with previous history of extensive heat rash and sunburn.	• Skin trauma (heat rash; sunburn) causes sweat retention deep in skin; • Reduced evaporative cooling causes heat intolerance	• No effective treatment available for anhidrotic areas of skin; • Recovery of sweating occurs gradually on return to cooler climate	• Treat heat rash and avoid further skin trauma by sunburn; • Provide periodic relief from sustained heat
Behavioral Disorders a) Heat Fatigue - Transient Impaired performance of skilled sensorimotor, mental, or vigilance tasks, in heat.	Performance decrement greater in unacclimatized and unskilled worker.	Discomfort and physiologic strain.	Not indicated unless accompanied by other heat illness.	Acclimatization and training for work in the heat.
b) Heat Fatigue - Chronic Reduced performance capacity; lowering of self-imposed standards of social behavior (e.g., alcoholic over-indulgence); Inability to concentrate, etc.	Workers at risk come from temperature climates for long residence in tropical latitudes.	Psychosocial stresses probably as important as heat stress; may involve hormonal imbalance but no positive evidence.	Medical treatment for serious causes; speedy relief of symptoms on returning home.	Orientation on life in hot regions (customs, climate, living conditions, etc.)

213.1 PURPOSE

The purpose of this Operating Procedure (OP) is to provide information to Woodward-Clyde employees regarding the diseases transmitted by ticks, particularly Lyme disease, and how to reduce employee risk.

213.2 TICK-BORNE DISEASES

Tick-borne diseases represent a significant health risk in many parts of the world. The risk to Woodward-Clyde field staff depends on the work location, the time of year, the clothing worn and other factors. Ticks are documented vectors of virus and bacteria for diseases such as Lyme disease (North America, Europe), Rocky Mountain Spotted Fever (North America), Encephalitis, (Asia, Africa), Boutonneuse Fever (Africa, India, Middle East), and Rickettsiosis (Asia).

While specific information in this OP is limited to Lyme disease, the risk control measures apply to other tick-borne diseases.

213.3 LYME DISEASE

Lyme disease is caused by a coiled bacteria known as a spirochete and is most commonly transferred to humans through ticks. The disease has been found in almost all U.S. states and in Europe, but is most common in locations with a mixture of wooded areas and grasslands. The Lyme disease infection is spread in the wild by tick bites on animals, particularly mice and deer, and infection can include domestic animals such as cats, dogs, and cows. While a number of ticks can transfer Lyme disease, the very small deer tick is the most common.

The tick bite is usually not painful and because of the small size of the deer tick, is often not noticed. In most cases, the tick simply draws blood for its nourishment and after a few days drops off. If the tick is infected with the Lyme disease bacteria, it may be transmitted during this feeding process.

213.3.1 Lyme Disease Symptoms

A typical early symptom of infection is a slowly expanding red rash. The rash often starts as a flat or raised red area and slowly expands after several days, with partial central clearing, resulting in a red ring appearance. While most people will develop an observable red rash, some Lyme disease victims may lack this symptom.

Other common early symptoms of Lyme disease include fatigue, headache, muscle aches, neck stiffness, fever, and swollen glands.

Later symptoms, if untreated, include joint pain and swelling, nervous system problems, heart complications, and other effects. These later symptoms usually occur one to four months after the original infection and can result in permanent health effects.

213.3.2 Lyme Disease Treatment

Lyme disease is easily treated by use of antibiotics when detected early. Individuals that develop a rash or experience other early symptoms of Lyme disease should promptly see a physician for treatment. Although the disease is more difficult to treat if further advanced, it is still is treatable using larger antibiotic (usually intravenous) doses.

213.3.3 Reducing Lyme Disease Risk

Field personnel can reduce the risk of tick-borne diseases through proper clothing, use of repellents, use of good work practices, and recognizing early symptoms.

Field personnel in grassy or wooded areas should wear long pants, long sleeved shirts (tucked in), hat, and consider taping or cinching clothing at the ankles. Work in areas of known high tick concentrations (e.g. wetland areas) should consider use of Tyvek coveralls taped at the ankles and wrists.

Follow label directions carefully for use of tick repellents as many are designed for use on clothing, not on skin. Repellent use should be in combination with proper clothing and is most recommended for the ankles and wrists.

After working in an area of possible tick exposure, it is recommended that the individual shower promptly and check for any ticks. If a tick is found on the skin, remove it promptly using tweezers or forceps, followed by disinfection with alcohol or iodine. It takes several hours for a tick to attach and feed; removing it promptly lessens the chance of being infected.

INJURY/INCIDENT REPORTING
Health and Safety Operating Procedure 101

PURPOSE

This health and safety operating procedure (HSOP) provides guidance in the timely preparation of injury/incident reports. Prompt reporting is critical for effective accident investigation and implementation of prompt corrective action. Timely reporting also helps compliance with regulatory requirements and helps reduce company liability.

SCOPE

This HSOP applies to all URS Greiner Woodward Clyde (URSGWC) employees.

EMPLOYEE CERTIFICATION/TRAINING REQUIREMENTS

All employees will receive a briefing on the requirements of this HSOP.

RESPONSIBILITIES

Any employee who suffers a work-related injury or illness, is involved in an accident, or who observes a reportable incident shall immediately notify his or her supervisor or company health and safety representative. The employee will, if asked by his or her manager or health and safety representative, complete a health and safety injury/incident report (attached).

If the employee is unable to complete the injury/incident report, it may be completed by the *line supervisor, project manager, or health and safety representative*.

DEFINITIONS

Reportable Incident. A reportable health and safety incident is any of the following:

- An injury to any URSGWC worker or subcontractor even if the injury does not require medical attention
- An injury to a member of the public occurring on a URSGWC work site or possibly resulting from a URSGWC or subcontractor activity or involving URSGWC or subcontractor property, equipment, or resource
- Illness resulting from suspected chemical exposure

- Fire, explosion, or flash
- Vehicle accidents occurring on site, while traveling to and from client locations, or with any company-owned or leased vehicle
- Property damage resulting from any URSGWC or subcontractor activity
- Structural collapse or potential structural hazards
- Equipment failure, damage, or improper operation
- Personal protection equipment (PPE) failure, malfunction, damage, or improper use
- Unexpected release or imminent release of a hazardous material
- Unexpected chemical exposures to workers or the public
- Infractions or violations of health and safety rules or plans
- A complaint from the public regarding any URSGWC activity

Major Incident. A major incident is one that involves a fatality, hospitalization of a URSGWC or subcontractor employee, or any illness or injury to a member of the public that is related to any URSGWC activity.

PROCEDURES

Reportable Incidents

The following actions are to be taken within the specified time frame following all reportable incidents (see definition above).

Employees

- If necessary, suspend operations and secure and/or evacuate the area.
- Notify your supervisor, project manager (if applicable), human resources representative, and local health and safety representative within 24 hours of occurrence.

- Record information pertaining to the incident (e.g., time, date, location, name and company of person(s) involved, description of event, and actions taken).

- If directed by management, complete injury/incident report (attached)

- Assist with incident investigation (as directed by management).

- Implement corrective actions as directed by management.

- *Do not* discuss the incident with members of the news media or legal representatives (except URSGWC legal counsel or your personal legal advisor) unless directed to do so by URSGWC management.

- *Do not* make statements pertaining to guilt, fault, or liability.

Line/Project Management

- Review circumstances of the incident with applicable employee(s).

- Verify that representatives of the health and safety and human resources departments have been notified of the incident.

- Verify that an injury/incident report is completed. (Note: If the employee is unable to complete the report, another company employee, line manager, project manager, or local health and safety representative may complete the report.)

- Review and verify that necessary corrective actions are identified and implemented.

- When appropriate, discuss with department or project staff the circumstances surrounding the incident and corrective actions taken.

- If necessary, notify client of incident and corrective actions.

Local Health And Safety Representative

- Assist with incident evaluation.

- With management, identify cause(s) of incident and identify corrective actions needed to avoid recurrence.
- Review injury/incident report for completeness and accuracy.
- Forward a copy of the injury/incident report to the regional health and safety manager and, when appropriate, to a representative of the human resources department.
- Verify that corrective actions are implemented.
- When necessary, notify the Occupational Safety and Health Administration (OSHA) or applicable regulatory agency of the incident (see Major Incidents section, below).

Local Human Resources Representative

- Report work-related injuries and illness to worker compensation carrier.
- Identify injuries and illnesses that are OSHA recordable. (Note: All work-related illnesses are OSHA recordable.)
- Track and record lost time and/or work restriction days.
- Maintain OSHA 200 log.

Major Incidents

A formal investigation will be conducted for all major incidents. In addition to the procedures identified above, the following actions shall be taken for major accidents.

Employees

- Stop work; secure and/or evacuate the area.
- Without placing yourself in danger, assist injured personnel and/or implement spill control procedures.
- If necessary, summon emergency assistance.
- *Immediately notify* management and the local health and safety representative.

Line/Project Management

- Verify that local health and safety representative has been notified.
- Notify client or client's representative.
- Assist with formal incident investigation.

Operations Manager

- Notify upper management and corporate legal counsel.
- If necessary, serve as company spokesperson.
- Participate in formal incident investigation.
- Verify that corrective actions are implemented.

Local Health And Safety Representative

- Record pertinent data as they becomes available.
- Notify regional health and safety manager.
- If necessary, notify OSHA or applicable regulatory agency. (Note: OSHA, or the applicable state authority, *must be notified* within 8 hours of all work-related fatalities or accidents resulting in the hospitalization of three or more workers.)
- When requested, assist with formal incident investigation.

Regional Health And Safety Manager

- Notify corporate health and safety director.
- Verify that upper management and corporate legal counsel have been informed of the incident.
- Verify that OSHA or applicable regulatory agency has been notified.
- Serve as lead for the incident investigation team.
- Submit incident investigation report to upper management.

100402

Human Resources Department

- If necessary, notify immediate family of incident.
- If necessary, coordinate benefits with insurance carrier.

INJURY/INCIDENT REPORT

ADMINISTRATION INFORMATION:

Project Name: _____

Project Number: _____

Date/Time of Incident: _____

Location: _____

For Injuries/Illnesses:

Name of Injured Employee: _____

Age: _____ Sex: _____ SSN: _____

Nature of Injury: _____

See a Doctor? Yes No

TYPE OF INCIDENT (Check all applicable items)

- Illness
- Unexpected Exposure
- Health and Safety Infraction
- Fire, Explosion, Flash
- Property Damage
- Other (describe) _____
- Injury
- Vehicular Accident

DESCRIPTION OF INCIDENT (Describe what happened and possible cause. Identify individuals involved, witnesses, and their affiliations. Attach additional sheets, drawings, or photographs as needed.)

_____

Description of Corrective Action: _____

REPORTED BY: Print Name: _____ Signature: _____

Date: _____

Reporter must deliver this report to the operating unit health and safety representative within 24 hours of the reported incident for medical treatment cases and within 5 days for other incidents.

REVIEWED BY: _____ Date _____

Supervisor

_____ Date _____

Health and Safety Representative

Distribution by HSO:

- Regional Health and Safety Manager
- Corporate Health and Safety Director
- Project Manager
- Human Resources Office (injury/illness cases only)

OSHA Recordable? Yes No

12/21/98

100404

Appendix B

100405

WORK PLAN

SITE SPECIFIC TRANSPORTATION AND DISPOSAL PLAN

AMENIA TOWN LANDFILL SITE AMENIA, NEW YORK

September 3, 1999

URS Greiner Woodward Clyde

P.O. Box 290
201 Willowbrook Boulevard
Wayne, New Jersey 07470
9E04078

100406

TABLE OF CONTENTS

Section 1 Introduction 1

Section 2 Drummed Waste and Soil Characterization 1

Section 3 Drummed Waste and Soil Disposal 1

3.1 Non-Hazardous Material Transportation and Disposal 1
3.1.1 Transportation 1
3.1.2 Disposal 2

3.2 Hazardous (RCRA) Waste Transportation and Disposal 2
3.2.1 Transportation 2
3.2.2 Disposal 2

Tables

Table 2.1 Drum Composite Log

1.0 Introduction

This transport and disposal plan is to be implemented for the transportation and disposal of drummed waste and soil from the Amenia Town Landfill Site in Amenia, NY. This plan will detail the transportation and disposal methods and procedures that will comply with all applicable local, state, and federal regulations, as well as, the requirements of the Site-Specific Health and Safety Plan.

2.0 Drummed Waste and Soil Characterization

The materials in the 167 overpacked drums and the 220 cubic yards of soil have been characterized.

In November 1998 eleven composite samples and three individual samples were taken from the drums for analysis. The drum numbers in each composite sample are outlined in Table 2.1. TCLP and RCRA characteristics analyses were performed on each of the 14 samples. The results suggest that Comp 1, Comp 2, Comp 4, Comp5, D143 and D145 are hazardous and the remainder of the samples are non-hazardous. Drum D26 contained medical waste such as petri dishes and will be handled accordingly.

One composite sample of the 220 cu/yd soil pile was analyzed. TCLP and RCRA characteristics analyses were performed on the sample and the results suggest the soil is non-hazardous.

Further characterization of the waste was performed in June 1999. Twenty-three (23) individual drums were sampled along with 6 soil samples from the soil pile. The samples were analyzed for TCL volatile organics and semi-volatile organics, TAL metals, PCBs, Pesticides, TCLP and RCRA characteristics. Results of this sampling are pending. If the results of the individual drum sampling indicate special handling would be required, those drums will be segregated from the previously established composite/disposal groups.

3.0 Drummed Waste and Soil Disposal

3.1 Non-Hazardous Material Transportation and Disposal

Based upon the sampling results as described in Section 2 above, all drummed waste and soils that do not test positive for characteristics of a hazardous waste as defined in 40 CFR Part 261 Subpart C will be classified as contaminated/non-hazardous waste.

3.1.1 Transportation

All non-hazardous soil will be transported using dump trailers. All non-hazardous drummed waste will be transported using tractor trailers. At the time of removal of any waste from the site, the Contractor shall submit a Bill of Lading to the Field Supervisor containing the following:

Contractor's name and address

Permit number

Quantity and type of waste removed

Receiving facility

Date removed from site

Signature of vehicle operator

All vehicles used to transport non-hazardous soils will have a valid Solid Waste decal affixed to both sides and have valid registration cards. No waste will be transported off-site without the Field Supervisor signing the Bill of Lading.

Vehicles containing non-hazardous soil or drummed waste will be checked for free liquid and/or excess moisture content prior to leaving the site. The waste transporter will use appropriate vehicles and operating practices to prevent spillage from occurring during transportation. All vehicles leaving the site with non-hazardous soil or drummed waste will be inspected by the Contractor to ensure that no excess soil adheres to the wheels or undercarriage of the vehicles and that the vehicles are properly lined, securely covered, and equipped to prevent leakage.

3.1.2 Disposal

The non-hazardous soils and non-hazardous drum waste will be disposed at facilities that are currently approved through the Ashland Inc. TSD audit program. As outlined in 36g(iv) of the Administrative Order on Consent, the EPA will be notified of the names and addresses of the disposal facilities at least five (5) days prior to off-site shipment of the waste.

3.2 Hazardous (RCRA) Waste Transport and Disposal

3.2.1 Transportation

All drummed waste designated as hazardous will be shipped in accordance with the U.S. Department of Transportation as stated in 49 CFR 171-179. Hazardous waste shipments will be properly manifested and placarded accordingly.

The hazardous waste manifest will be completed. The waste transporter will accept the material for transport, signing and dating the manifest, only if all relevant information is included.

Hazardous waste manifests will be signed by the Field Supervisor, as agent of the Owner or signed by a representative of the owner and copied for distribution. Each manifest will be distributed accordingly.

3.2.2 Disposal

The hazardous drummed waste will be disposed at facilities that are currently approved through the Ashland Inc. TSD audit program. As outlined in 36g(iv) of the Administrative Order on Consent, the EPA will be notified of the names and addresses of the disposal facilities at least five (5) days prior to off-site shipment of the waste. The state where disposal will take place will be notified prior to transportation of the material to the state as required by paragraph 66 of the AOC.

TABLE 2.1
AMENIA TOWN LANDFILL SITE
DRUM COMPOSITE LOG

Comp 1	Comp 2	Comp 3	Comp 4	Comp 5	Comp 6	Comp 7	Comp 8	Comp 9	Comp 10	Comp 11
25	37	7	2	43	69	1	4	13	19	10
48	73	36	3	44	85	8	5	23	33	11
65	117	75	144	64		14	9	60	39	12
	135	104	158			15	32	61	89	20
	157	105				16	47	74	90	21
	42	113				17	51	77	91	27
		114				18	52	78	92	30
		118				22	57	81	96	31
		119				24	67	82	98	34
		121				28	68	83	99	35
		122				29	72	84	101	38
		124				40	109	87	110	41
		129				45	120	102	111	46
		130				49	128	106	115	54
		134				50	132	107	116	55
		136				53	133	108	123	56
		155				58	152	125	131	70
		166				59	165	127	140	71
						62		138	142	79
						63		141	148	80
						66		152	154	86
						76			156	88
						103			160	93
						126			161	94
						146			162	95
						147			163	97
						149			164	100
						150				112
						151				
						153				
						159				
						167				

Notes

- Drum 152 is in both composite samples 8 and 9.
- Drum 26 was not sampled but contains medical waste including petri dishes.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

ACTION MEMORANDUM

DATE: 25 FEB 1999

SUBJECT: Confirmation of Verbal Authorization and Request for a Ceiling Increase for a Removal Action at the Amenia Town Landfill Site, Amenia, Dutchess County, New York

FROM: Irmgard P. Huhn, On-Scene Coordinator
Removal Action Branch

TO: Richard L. Caspe, Director
Emergency and Remedial Response Division

THRU: Richard C. Salkie, Branch Chief
Removal Action Branch

Site ID #: LZ

I. PURPOSE

The purpose of this Action Memorandum is to document verbal authorization for the removal action in progress at the Amenia Town Landfill Site (Site) located at Route #22, in Amenia, Dutchess County, New York, 12501 and to request a ceiling increase to complete the current action. Funding was provided under a verbal authorization to excavate, overpack, sample, analyze and dispose of an estimated 30 buried drums and associated contaminated soil at the Site in the amount of $160,000, of which $130,000 was for mitigation contracting. As a result of the excavation of 167 additional drums, an increase of $192,000 is requested for mitigation contracting to continue removal activities at the Site. If approved, the new project ceiling will be $412,000. The removal activities to complete the project are discussed in this Action Memorandum.

The Site is a closed municipal landfill, allegedly used to dispose of industrial wastes. The Site is not on the National Priorities List (NPL). There are no nationally significant or precedent-setting issues associated with the proposed response.

II. SITE CONDITIONS AND BACKGROUND

The Comprehensive Environmental Response, Compensation, and Liability Information System ID Number for the Site is NYD980641559.

A. Site Description

1. Removal site evaluation (RSE)

The Town of Amenia (Town) leased the Site property and operated this Site as a municipal landfill from the early 1940s until 1968. From 1968 until 1971, the Site was owned and operated by a private party who was believed to have accepted industrial wastes in the form of drums and other containers. During an inspection performed by the Dutchess County Department of Health (DCDOH) on October 26, 1970, the inspector recorded the presence of 700 drums of industrial waste staged in the southern end of the Site. These drums were not readily visible from the road located in front of the facility and several of the drums were punctured and leaking onto the ground. At that time, the owner claimed the spills were the result of vandalism and operator error. However, there were also reports during this period of operation, of solvents and pesticides being directly dumped onto the ground. The owner stopped operating the landfill in 1971 and filed for bankruptcy. The Town thereafter resumed operation of the landfill as a municipal landfill until the facility was officially closed on April 16, 1976.

The Site was listed by the New York State Department of Environmental Conservation (NYSDEC) as a reported hazardous waste site in 1980 after visual inspections revealed the presence of surface drums and areas of stressed vegetation. The U.S. Environmental Protection Agency (EPA) listed the Site as a potential hazardous waste site in April 1980. Follow up investigations which included geophysical studies, soil gas studies and test pit excavations were conducted by NYSDEC from August 1986 through September 1998. These investigations revealed soil and sediment contamination and the presence of buried drums containing waste material.

On October 6, 1998, NYSDEC formally requested the EPA to conduct a time critical removal action at the Site to mitigate the threats posed by the buried drums (refer to Attachment A). Following a site visit on October 7, 1998, EPA requested and received verbal authorization to initiate a removal action on October 8, 1998. The Emergency and Rapid Response Services (ERRS) contractor personnel met with EPA at the Site on October 12, 1998 to discuss the clean up strategy and schedule. On October 15, 1998, EPA and ERRS mobilized to begin the clean up action. On October 19, 1998, a confirmation of verbal authorization letter was signed for the initial project ceiling of $160,000.

Excavation activities have been completed and resulted in the removal of 197 drums, including 30 empty carcasses. This quantity is over five times the number of drums that NYSDEC originally estimated to be buried on site. In addition to drums containing waste, approximately 220 cubic yards of visibly stained soil have been excavated and staged on site. The excavation area is confined by trees and there was limited drum storage space. Consequently, as a result,

after the drums were sampled, they were transported to a staging area near the entrance of the Site some 500 yards away. This staging method was selected to secure the drums (away from hunters and vandals) and allow disposal shipments to occur regardless of weather conditions. Sampling of drums was hampered by cold weather and the viscous material contained in the drums. The roadway leading into the excavation area is not paved. In order to efficiently transport the contaminated soil off-site, installation of a 300 foot stone roadway from an adjacent property will be required. Based on these factors, an increase in funding is necessary to complete this action.

2. Physical location

The Site is located in the Town of Amenia, Dutchess County, New York and is approximately ten acres in size (see Figure 1 and 2 in Attachment B). The area currently being investigated by EPA is in the southwestern portion of the Site and is approximately one acre in size. The Site is bordered by Route #22 to the east and by freshwater wetlands on the north and west. An unnamed stream flows through this wetland area which is a tributary to the Amenia Brook. The Harlem Valley Landfill is located less than one quarter mile southwest of the Site. An active public golf course is located within one half mile west of the Site (see Figure 3 in Attachment B).

3. Site characteristics

The Site was a sanitary landfill operating from the late 1940s until April 16, 1976. In August 1971, the property was subdivided and the two acres of the northernmost section were developed as a fuel storage depot. The fuel storage depot is fenced and bermed and contains four 20,000 gallon above ground (#2 oil) tanks and a 30,000 gallon propane gas tank. There is a helicopter landing area next to the fuel storage depot which is a 30 foot, square shaped, paved pad which is used on Mondays and Fridays with occasional usage at other times. The remainder of the Site is well graded and covered with vegetation. There are no fences preventing access to the Site and a dirt road traverses the Site from the northeast to the southwest. The surrounding areas are heavily wooded and there have been reports of deer hunters entering the Site.

Samples of soil, sediments and surface waters collected by NYSDEC have confirmed the presence of polychlorinated biphenyls (PCBs). This information prompted the NYSDEC Division of Fish and Wildlife (DFW) to declare the Site a threat to wildlife. The soil gas survey data collected during the NYSDEC, Phase II investigation, showed levels of toluene up to 1,600 ug/m^3 in two sampling locations in the suspected drum burial area.

The funding requested in this Action Memorandum is necessary to complete the ongoing removal action including analysis and disposal of the drums and contaminated soil which are on-site, and restoration of the Site after completion of the waste removal activities.

4. **Release or threatened release into the environment of a hazardous substance, or pollutant, or contaminant**

During a site inspection on October 7, 1998, EPA observed drums at the surface and the base of the landfill slope adjacent to the wetlands with no barriers to prevent trespassers from coming into contact with the material. Preliminary analysis of the contents of the drums and surrounding soil, provided by the State, revealed high levels of pesticide contaminants (e.g. methidathion) and hazardous substances such as benzenes (volatile organics) and phenols (semi-volatile organics):

Compound	Source	Concentration
benzenes	contaminated soil	81,775 mg/kg
methidathion	drum sample	37,200 mg/kg
phenols	drum sample	13,000 mg/kg

Also, a soil sample contaminated with liquid waste exhibited the characteristic of flammability and is therefore designated as a Resource Conservation Recovery Act (RCRA) hazardous waste pursuant to 40 C.F.R. § 261.20.

The total quantity of drums removed from the two areas is 197, including 30 empty drum carcasses. In addition, approximately 220 cubic yards of visibly contaminated soil have been temporarily secured.

The northern edge of the excavation area drops off rapidly and leads into the wetlands and the unnamed stream. If the materials excavated are not disposed of, the migration pathway would be enhanced during periods of precipitation by surface water runoff into these wetlands.

5. **NPL status**

This Site is not currently listed on the NPL nor is it proposed to be. No Hazard Ranking System package has been prepared for the Site.

6. **Maps, pictures and other graphic representations**

See Attachment B.

B. **Other Actions To Date**

1. **Previous actions**

During the years in which the landfill was active, it was cited on numerous occasions by the DCDOH for improper operations. These included storage of drums containing industrial wastes, drums leaking directly onto the ground surface, unauthorized burning and improper daily cover over fill areas. DCDOH inspection records, a local newspaper article and an aerial photograph of the Site dated April 1970 confirmed the presence of a large number of 55-gallon drums at the

200004

rear of the Site. Industrial wastes were reportedly pumped from the drums and transported off site in tanker trucks. The empty drums were allegedly sold or crushed and buried on site. In April 1971, the NYSDEC received a complaint from a nearby resident regarding odors similar to old oil emanating from the Site. A DCDOH inspection report dated February 1972, indicated that a fire had occurred on site as the result of chemicals, originating from a nearby hospital, being dumped on site. In July, September and October 1973, DCDOH reports identified the presence of drums of liquid waste at the rear of the Site. A February 1974 DCDOH report indicated that the drums had been removed.

A NYSDEC inspection on November 13, 1979 revealed evidence of drums and sparse vegetation in the southwest corner of the Site. EPA listed the Site as a potential Hazardous Waste Site in April 1980. A November 14, 1985 internal NYSDEC memo stated that an unknown number of drums were stored at the Site when the landfill was closed. Some drums were later removed.

The NYSDEC began a Phase I investigation of the Site in August 1986. EPA's contractor, NUS Corporation, conducted sampling of the Site in February 1987 which it incorporated into a Site Inspection Report submitted to EPA in December 1990. No drums were observed, either during the NUS investigation or during the NYSDEC Phase I investigation. The data collected during the Phase I study, as well as follow up inspections performed in 1990, led NYSDEC to begin a Phase II investigation in October 1991. The Phase II investigation included a historical review of site use, literature searches on the property and interviews with personnel familiar with the Site during its years of operation. Geophysical studies, soil gas surveys and soil, water and sediment sampling were also conducted at that time. The Phase II investigation concluded that test pit excavations would be warranted to further delineate the Site. An off-site reconnaissance of the Site was conducted by Roy F. Weston, Inc. on June 20, 1994 to document current site conditions. As discussed in Section II.A. above, as a result of its studies and test pit excavations at the Site, NYSDEC requested, on October 6, 1998, that EPA conduct a time-critical removal action.

2. Current actions

EPA began this removal action on October 12, 1998. The funding requested in this Action Memorandum is necessary to complete the planned removal activities. A total of 167 drums were removed and over-packed. Approximately 220 cubic yards of contaminated soil have been stockpiled, along with 30 empty drum carcasses and 78 labpack containers. These activities have been very effective in securing a source of release of hazardous substances, pollutants and contaminants emanating from the Site.

C. State and Local Authorities Roles

1. State and local actions to date

NYSDEC has conducted investigations at the Site as described in Section II. B., above. On October 6, 1998, NYSDEC requested that EPA conduct a removal action to address the threats posed by the buried drums identified on site. Since EPA's mobilization at the Site, the NYSDEC

representatives have stopped by the Site and maintained phone contact with EPA to follow site progress. NYSDEC maintained a presence at the Site through its contractor (TAMS Consultants) which was on-site during all excavation activities.

The Town reportedly operated the landfill from the late 1940s until 1968 when the property was sold. After the new owner filed for bankruptcy in 1971, the Town resumed operation of the landfill until it was officially closed in April 1976. The Town also maintained a presence on site through a consulting firm (Chasen Companies) which it retained to monitor Site activities. The Town has been cooperative in allowing EPA and ERRS access to its office facilities (phones, fax and copier) during the removal action.

2. Potential for continued State/local response

NYSDEC was unable to fund the required cleanup action in a timely manner, and therefore referred the Site to EPA. The Town is small and unlikely to be able to fund an action such as this in a timely manner. The Town will continue to support the current EPA action through use of its office facilities and the provision of periodic security checks during non working hours. The State is currently negotiating with the Town to conduct a Remedial Investigation/Feasibility Study at the Site in the future.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

A. Threats to Public Health or Welfare

Analytical results for samples collected during the EPA's initial action in October 1998 identified the following hazardous substances which may endanger public health and the environment: acidic and ignitable waste, and waste containing benzene, 2-butanone, chromium, cresol, lead, mercury, selenium, tetrachloroethene, trichloroethene and vinyl chloride. These hazardous substances, as defined by Section 101(14), of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), are listed in Table 302.4 of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP).

The materials found in partially buried drums and contaminated soil during the NYSDEC's test pit investigation in September 1998 contained elevated levels of pesticides and volatile organics as stated above in Section II. A. 4. The contents of the drums pose a substantial threat to the ground water, if released.

The conditions at the Site continue to meet the criteria for a CERCLA removal action as described in the NCP, Part 40 CFR 300.415(b)(2). The following criteria are directly applicable to the threats which exist at the Site:

(i) **Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, or pollutants, or contaminants;**

The Site is not secured and access is unrestricted. Several drums were discovered at ground level or only partially buried. Soil and soil gas samples taken have indicated that surficial contamination exists on-site. Local officials have reported that this area is frequented by deer hunters during the winter season.

(ii) **Actual or potential contamination of drinking water supplies or sensitive ecosystems;**

The DFW declared in an August 26, 1992 memo that the Site posed a significant threat to wildlife due to the PCB contamination discovered on-site. Additionally, drums were disposed of in a mound at the surface of the landfill which was located in the drainage pathway to the wetlands. One drum was located on the surface between the disposal area and the wetland and may have already impacted the wetlands. Although the Site has been stabilized, the potential contamination of the adjacent wetlands area will continue to exist as long as the contaminated soil stockpile and drums remain at the Site.

(iii) **Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release;**

The visually stained soil and leaking drums were removed from the ground. The wastes are temporarily stabilized, but until the wastes are removed from the Site, the potential for release of their contents remains a threat.

(iv) **High levels of hazardous substances, or pollutants, or contaminants in soils largely at or near the surface, that may migrate;**

See (iii) above.

(v) **Weather conditions that may cause hazardous substances, or pollutants, or contaminants to migrate or be released; and**

The topography of the Site allows surface water runoff to drain from the drum burial area down a ravine and into the adjacent wetlands. Due to the climate, the likelihood of snow and natural runoff from warming thaws will contribute to the off-site migration of contaminants.

(vii) **The availability of other appropriate federal or State response mechanisms to respond to the release.**

No other government entity can address the Site within an appropriate time-frame.

B. Threats to the Environment

Past disposal practices at the Site have resulted in the release of CERCLA hazardous substances to the soil and surface water at the Site. Contamination of adjacent wetlands and the unnamed stream have led the DFW to declare the Site a threat to wildlife. The stockpiled contaminated soil presents an ongoing threat of release. The potential and/or active release of hazardous materials threaten to contaminate the underlying and surrounding soils and adjacent wetlands.

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances from the Site, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment.

V. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed action description

The purpose of this Action Memorandum is to document actions taken by EPA at the Site under verbal authorization of the Director of the Emergency and Remedial Response Division (ERRD) and to request the additional funds necessary to continue to address the immediate threats posed by the hazardous substances present at the Site. The following removal activities are proposed and have been, or will be, conducted to address the threats present at the Site:

a. Stabilization - waste in unstable containers were removed from the ground and over-packed. (Any information found on the drums, regarding their contents or origins, was recorded and documented for disposal as well as enforcement purposes.)

b. Sampling - will continue on the drums removed from the excavation.

c. Hazcatting - was conducted on all drum samples to characterize the waste and enable composite samples of the wastestreams to be generated.

d. Lab Analysis - will be conducted on bulk composite samples of the wastestreams.

e. Disposal - Upon receipt of disposal analysis, waste profiles will be completed and sent to disposal facilities for acceptance. Compatible materials will be disposed of off-site at facilities permitted pursuant to the Federal RCRA.

f. Restoration - At the conclusion of this removal action, the work areas will be backfilled, graded and seeded to prevent erosion and ponding.

Additional monies are required for the disposal analysis, transportation and disposal and restoration activities needed to complete the removal action.

2. Contribution to remedial performance

The removal action at the Site is consistent with the requirement of Section 104(a)(2) of CERCLA, which states that "... [any] removal action undertaken ... should ... to the extent ... practicable, contribute to the efficient performance of any long term remedial action with respect to the release or threatened release concerned."

At this time, there are no remedial plans known for this non-NPL site. Nevertheless, since any remedial action that might be undertaken in the future for the Site would, in all likelihood, encompass the elements in this response in order to control the source of contamination, this removal action should be consistent with, and should not impede, any future remedial work.

3. Descriptions of alternative technologies

Because of the quantities and types of the hazardous substances and waste at the Site, on-site treatment and/or incineration is not appropriate. The selected removal action includes the characterization, transportation of hazardous waste off site for treatment and/or disposal at RCRA-permitted facilities. The selected removal action has been determined to be the appropriate response action for the Site based upon the criteria of effectiveness, implementability and cost.

4. Engineering evaluation/cost analysis (EE/CA)

Due to the time-critical nature of this removal action, an EE/CA will not be prepared.

5. Applicable or relevant and appropriate requirements (ARARs)

ARARS that are within the scope of this removal action will be met to the extent practicable. Federal ARARS determined to be applicable for the proposed scope of work include RCRA, the Toxic Substance Control Act, and the Hazardous Materials Transportation Uniform Safety Act.

6. Project schedule

The removal action discussed in this Action Memorandum was initiated on October 12, 1998 under verbal authorization from the Director of the ERRD. Upon approval of this Action Memorandum, it is anticipated that remaining removal activities will require four months to complete, barring any unforeseen delays or increases in project scope.

B. Estimated Costs

A summary of the current project ceilings and the proposed ceiling increase necessary to complete this removal action are presented below. A detailed cost estimate is included as Attachment C.

	CURRENT CEILING AMOUNTS	PROPOSED CEILING INCREASE	PROPOSED NEW CEILING AMOUNTS
EXTRAMURAL COSTS			
ERRS	$130,000	$192,000	$322,000
START	$ 15,000	$ 9,750	$ 24,750
SUBTOTAL EXTRAMURAL COSTS	$145,000	$201,750	$346,750
EXTRAMURAL CONTINGENCY	$ -0-	$ 30,250	$ 30,250
TOTAL EXTRAMURAL	$145,000	$232,000	$377,000
TOTAL INTRAMURAL COSTS, EPA	$ 15,000	$ 20,000	$ 35,000
TOTAL REMOVAL PROJECT CEILING	$160,000	$252,000	$412,000

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

Should the ceiling increase requested in this Action Memorandum be delayed or not be granted, the ongoing removal action would be terminated and left only partially completed. As a result, the risk to the public health and environment would be increased by the potential for direct contact and/or continued release of hazardous substances.

VII. OUTSTANDING POLICY ISSUES

There are no known outstanding policy issues associated with the Site at the present time.

VIII. ENFORCEMENT

Due to the emergency nature of this removal action, enforcement activities were postponed until the threats from the ongoing release are mitigated. Drums and other containers discovered on-site were carefully examined for potentially responsible party (PRP) information prior to being secured. Additional information regarding historical site use and owners and operators, past and present, will be collected and evaluated. At that time, a determination will be made as to the liability of any identified PRPs and the possibility of future cost recovery actions.

IX. RECOMMENDATION

This decision document represents the selected removal action for the Amenia Town Landfill Site, in Amenia, Dutchess County, New York, developed in accordance with CERCLA, as amended, and not inconsistent with the NCP. This decision is based on the Administrative Record for the Site.

Site conditions met and continue to meet the NCP Section 300.415(b)(2) criteria for a removal action and I recommend your approval of the additional $192,000 for mitigation contracting and additional ceiling increase of $252,000 to complete the proposed removal action. The total project ceiling, if approved, will be $412,000. Of this, an estimated $322,000 comes from the Regional removal allowance. Funds for this removal action are currently within the regional Advice of Allowance.

Please indicate your approval and authorization of funding, as per current delegation of authority, by signing below.

APPROVAL: _____ **DATE:** 2/25/99
Richard L. Caspe, Director
Emergency and Remedial Response Division

DISAPPROVAL: _____ **DATE:** _____
Richard L. Caspe, Director
Emergency and Remedial Response Division

cc: (after approval is obtained)
J. Fox, RA
W. Muszynski, DRA
R. Caspe, ERRD-D
W. McCabe, ERRD-DD
R. Salkie, ERRD-RAB
J. Rotola, ERRD-RAB
G. Zachos, OMBUDSMAN
B. Dease, ERRD-RPB
P. Simon, ORC-NYCSUP
B. Bellow, CD
R. Gherardi, OPM-FIN
P. McKechnie, IG
T. Johnson, 5202G
T. Vickerson, NYSDEC
G. Wheaton, NOAA
A. Raddant, DOI
O. Douglas, START

ATTACHMENT B

MAPS and FIGURES

New York State Department of Environmental Conservation
Division of Environmental Remediation, Room 260B
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-5861 FAX: (518) 485-8404

John P. Cahill
Commissioner

Mr. Richard Caspe
Director
Emergency & Remedial Response Division
USEPA, Region II
290 Broadway
New York, New York 10007- 1866

Dear Mr. Caspe:

RE: Amenia Town Landfill Site (#3-14-006)
Amenia (T), Dutchess County
Request for Emergency Removal

The New York State Department of Environmental Conservation (NYSDEC) hereby requests the United States Environmental Protection Agency (USEPA) to perform an appropriate CERCLA/SARA authorized emergency response action at the Amenia Town Landfill located on Rt. 22 in the Town of Amenia in Dutchess County, New York.

The site is located in a relatively rural area although portions of the Island Green Country Club golf course are located less than 1000 feet from the southern portion of the site. The majority of the site consists of an open field but the site also includes a paved helicopter landing pad and a small fenced propane and oil storage facility. The southern portion of the site includes an access road which runs through a wooded area of the site. A steep ravine runs along the entire western side of the site and descends into a wetland.

Previous site investigations by NYSDEC standby contractors have uncovered numerous buried and partially buried drums in the wooded southern portion of the site near the top of the slope to the wetlands. An estimated 30 fifty-five gallon drums of spent solvents, pesticides, and other unknown wastes were identified. The total extent of drum disposal in this area is unknown. Evidence of past and ongoing releases were witnessed and documented by NYSDEC staff during the test pit investigations.

Due to indications that a release is both ongoing (i.e., visible stains originating from containers, solvent odors, deteriorating/bulging containers) and imminent, it is necessary that a timely response action be undertaken to stabilize, identify, and dispose of these materials properly.

A site meeting and walk over has been scheduled for October 7, 1998. NYSDEC staff will provide EPA staff with additional site information at that time. If you have any questions, please contact Jeffrey Konsella at (518) 457-0414 or Thomas Vickerson at (518) 457-7878, both of my staff.

Sincerely,

Michael J. O'Toole, Jr.
Director
Division of Environmental Remediation

cc: B. Sprague - USEPA Region II, Edison, NJ
R. Salkie - USEPA Region II, Edison, NJ
G. Zachos - USEPA Region II, Edison, NJ

bcc: M. O'Toole (2)
T. Quinn
A. Klauss - NYSDEC, Region 3
R. Pergadia - NYSDEC, Region 3
R. Rusinko - NYSDEC, Region 3
E. Belmore
C. Jackson
J. Konsella
H. Koelling
T. Vickerson
Dayfile

TJV disc1:epaamenia.wpd

ATTACHMENT B

MAPS and FIGURES

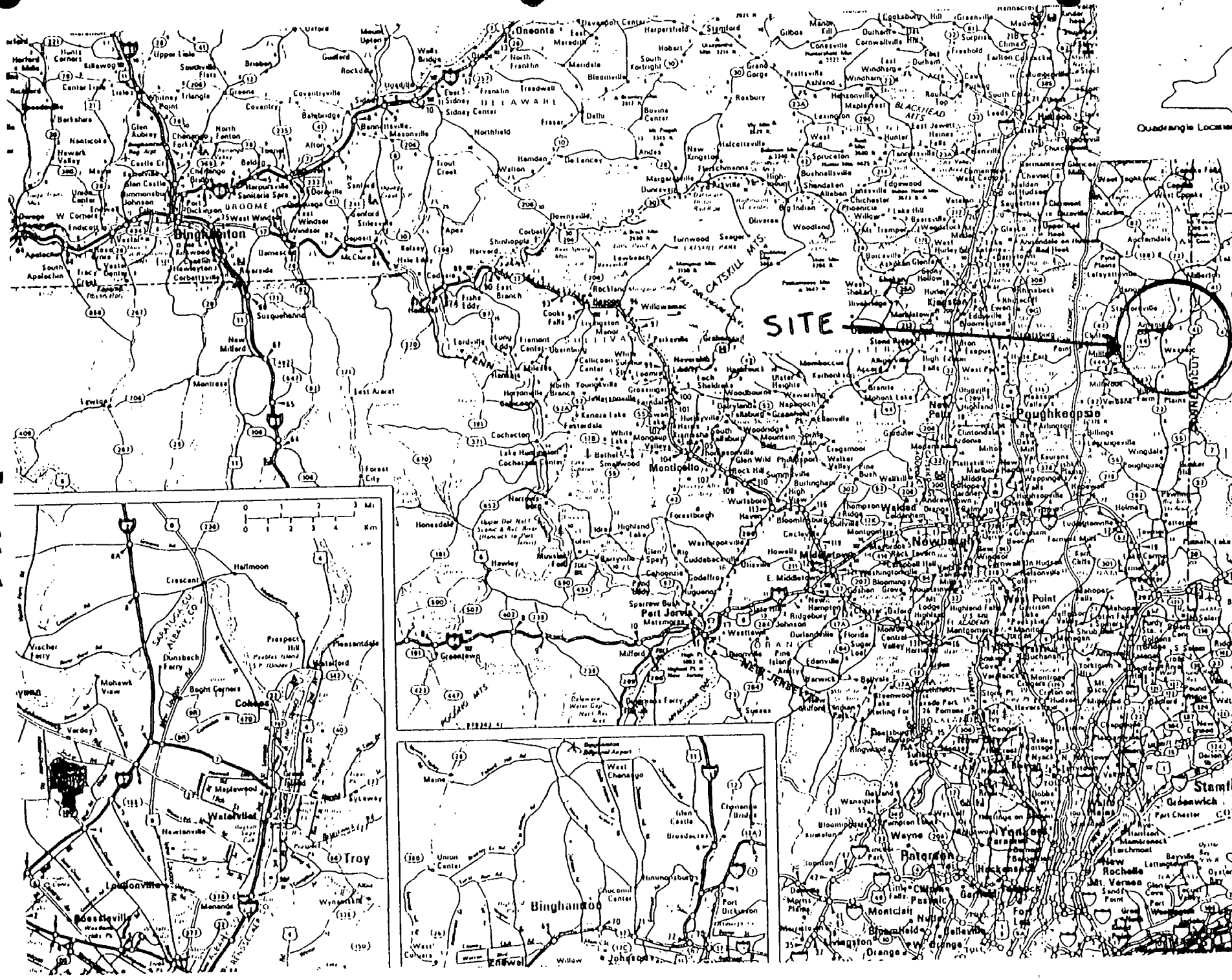


FIGURE 1

GENERAL LOCATION MAP

200016

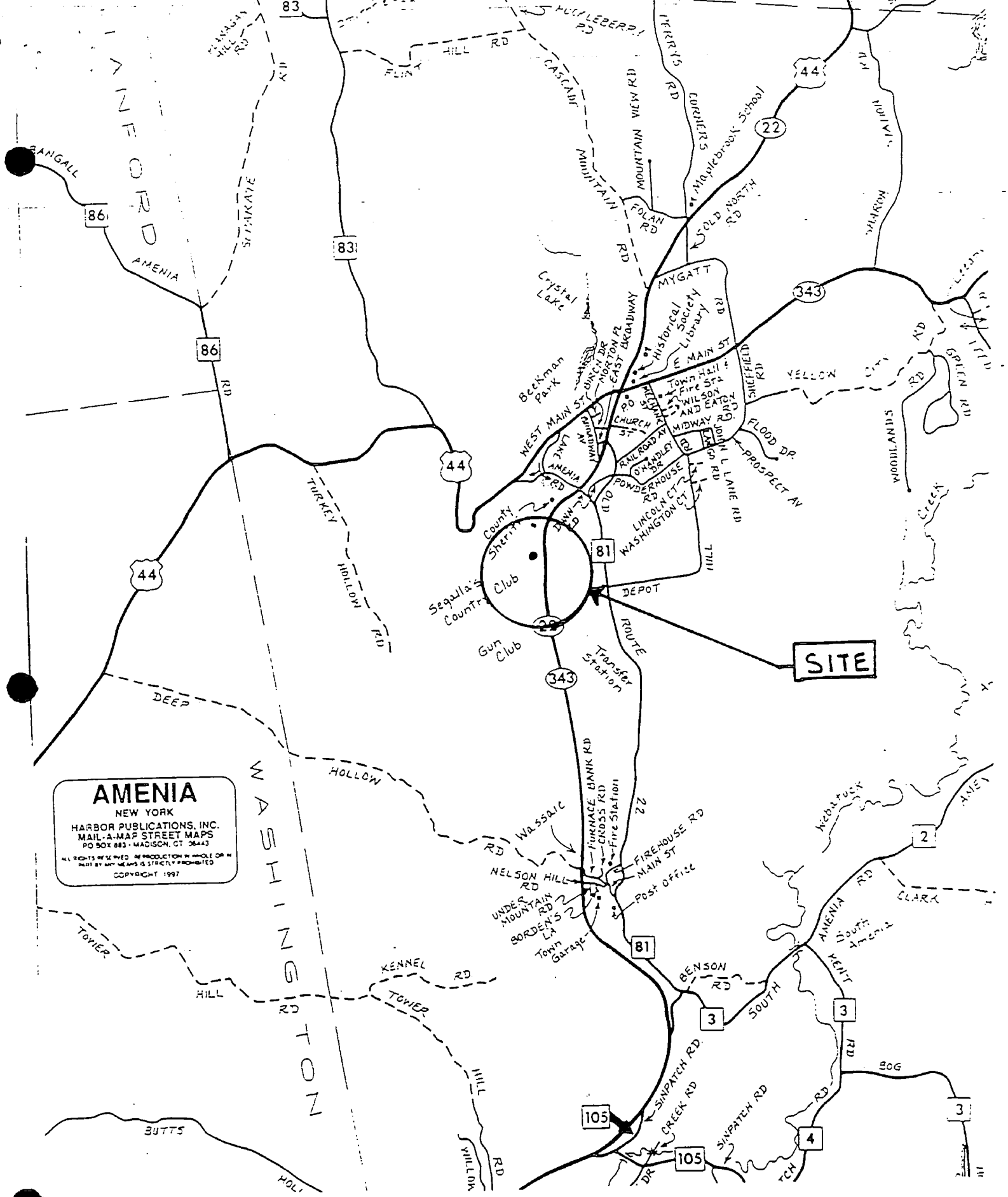


FIGURE 2

DETAILED LOCATION MAP

200017

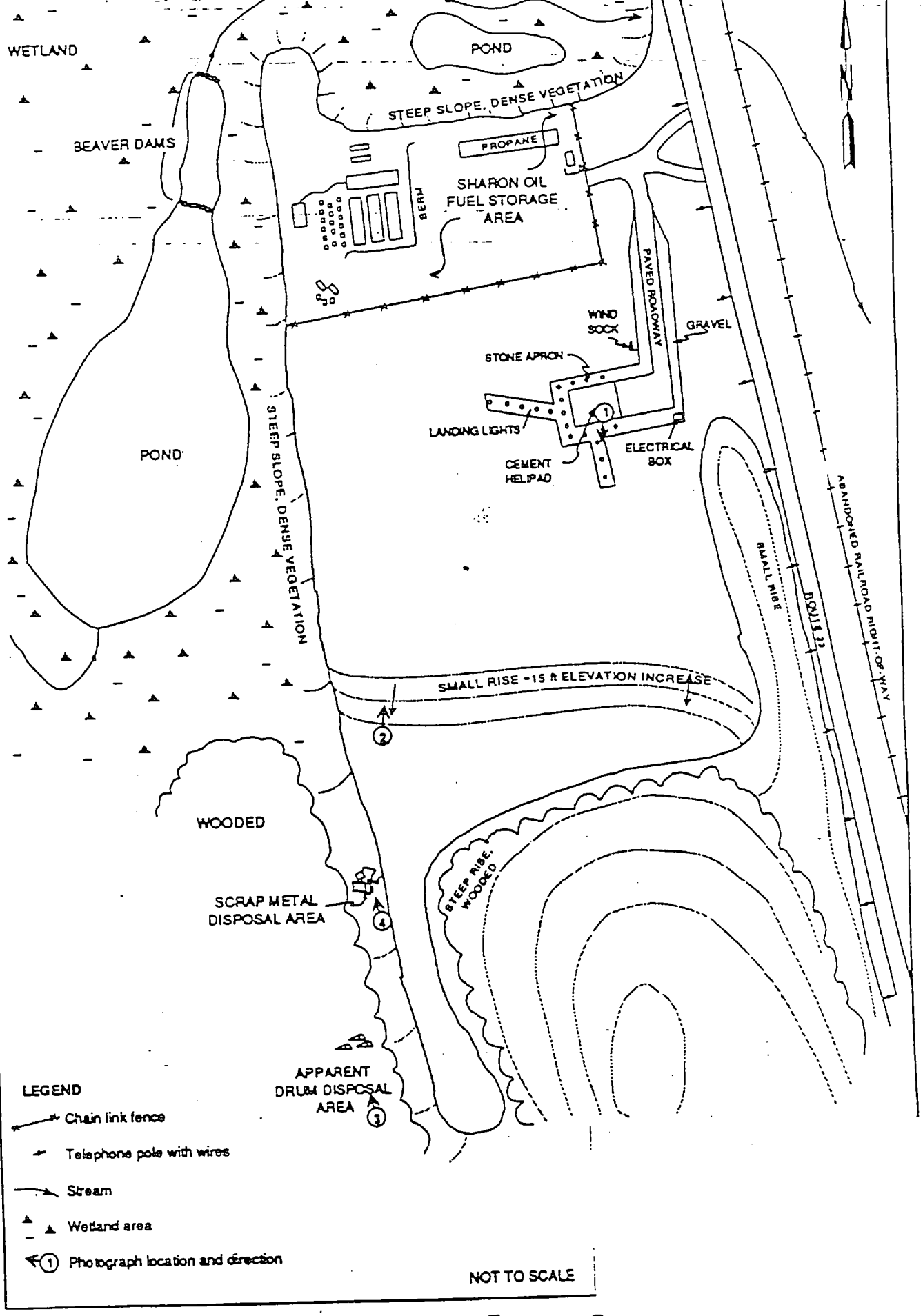


FIGURE 3
SITE MAP

200018

Community Relations Plan
Amenia Landfill Site
Amenia, Dutchess County, New York

Prepared by:

U.S. Environmental Protection Agency
Region II, Removal Action Branch
Edison, New Jersey 08837

MAY 1999

I. BACKGROUND

A. Site Description

The Site is a privately owned 10 acre parcel of land located in a rural area of the Town of Amenia, Dutchess County, New York. The area currently being investigated by EPA is in the southernmost portion of the Site and is approximately 1 acre in size. The Site is bordered by Route 22 to the east and by freshwater wetlands on the north and west. An unnamed stream flows through this wetland area which is a tributary to the Amenia Brook. The Harlem Valley landfill is located less than one quarter mile south west of the Site. An active public golf course is located within one half mile west of the Site.

This Site operated as a municipal landfill from the early 1940's until it was officially closed on April 16, 1976. During an inspection performed by the Dutchess County Department of Health (DCDOH) on October 26, 1970, the inspector recorded the presence of several hundred drums of industrial waste staged in the southern end of the Site. Several of the drums were reportedly punctured and leaking onto the ground.

The Site was listed by the NYSDEC as a reported hazardous waste site in 1980 after visual inspections revealed the presence of surface drums and areas of stressed vegetation. EPA identified the old Amenia Landfill as a Potential Hazardous Waste Site in 1981. The state has conducted a Phase I and Phase II investigation at the Site, which included a literature search, a geophysical survey, soil gas survey, and multimedia sampling. The result of this investigation concluded that a Remedial Investigation, which should include test pit excavations, was warranted to further delineate the Site. Samples of soil, sediments and surface waters have identified the presence of polychlorinated biphenyls (PCBs). This information prompted the New York State Division of Fish and Wildlife (NYSDFW) to declare this Site a significant threat to wildlife. The soil gas survey data collected during the investigation showed levels of toluene up to 1,600 ug/m3 in two sampling locations in the suspected drums burial area.

In September 1998, NYSDEC excavated test pits in areas where high readings or information indicated there may have been drums. The test pit excavations revealed drummed waste in the south western portion of the landfill. This prompted NYSDEC to refer the Site to the EPA to undertake an Emergency Removal Action on October 6, 1998.

B. National Priorities List Designation

The Amenia Landfill Site is not on the National Priorities List.

II. THREAT

A. Threat of Public Exposure

Based on the information collected, the drummed materials and contaminated soil presented a threat to trespassers and hunters.

B. Threat to the Environment

Based on the available information, there is a high potential future threat to the environment in addition to the existing damage from past releases. As stated above, the elevated levels of PCBs in soil sediments and surface water prompted the NYSDFW to declare this Site a significant threat to wildlife.

C. Evidence of Potential Release

There was stained soil around drums protruding from the ground and the test pit excavation revealed buried drums of hazardous waste as discussed in the previous sections.

D. Previous Actions to Abate Threat

During the years in which the landfill was active, it was cited on numerous occasions by the DCDOH for improper operations. A NYSDEC inspection on November 13, 1979 revealed evidence of drums and sparse vegetation in the southwest corner of the Site. The NYSDEC conducted a Phase I and Phase II Study as discussed in Section III.A. above.

E. Current Actions to Abate Threat

The EPA commenced a Removal Action in October 1998 to eliminate the threat posed by the drums of waste at and below the surface. A total of 197 drums were excavated from the landfill (30 of which were empty). As the drums were removed from the landfill, they were overpacked into larger drums and staged for sampling. All samples were tested on site for hazard characteristics and like materials were bulked together to form composite samples. Samples were sent out to a private lab for disposal analysis. Additional sampling is scheduled for the beginning of June 1999.

III PROPOSED PROJECT

A. Project Objective

The objective of the proposed project is to eliminate the threat of a release and direct contact with the hazardous substances within the drums and soil on the property. This was best accomplished by overpacking or transferring the material from unstable containers, sampling the drums and soil, securing drums in Sea Land boxes and the contaminated soil with a plastic tarp, surrounded by a berm, and transporting the waste to an off-site disposal facility once the final results are received.

B. Project Tasks

EPA has and will continue to supervise completion of the following tasks:

- Securing the site.

- Overseeing the excavation, overpacking, sampling and disposal of the chemical containers.

- Maintain air monitoring during drum removal operations.

C. Objectives of the Community Relations Plan

- Provide accurate and concise information to interested citizens, elected officials, and the media.

- Coordinate local, state, and federal response teams.

- Enlist the assistance of local officials as needed.

The groups to whom the plan is directed are: citizens, citizen groups, local businesses, officials, and local state and federal agencies working in conjunction with the Region II EPA.

Community relations information will be provided by EPA's Communications Division Public Outreach Branch (POB) with the knowledge of the Office of the Regional Administration.

D. Community Relations Activities

Date(s)	Activities	Objective	Staff
As needed	Meeting with state, county and local officials	To develop local contingency plans	OSC POB Rep.
As needed	Press release	To brief the community and press on site status	OSC POB Rep.
As needed	Fact sheets	To provide the public with removal activity information	OSC POB Rep.
As needed	Briefings	To inform state and local officials about on-going developments at the site	OSC POB Rep.

As needed	Public Meetings	To discuss the need for a response, review key decision points, and explain cleanup methods and respond to the public's concerns	OSC POB Rep.

E. Key Officials and Contacts

Federal Agencies

Irmee Huhn
On-Scene Coordinator
EPA Region II - Removal Action Branch
2890 Woodbridge Avenue, MS-211
Edison, NJ 08837
(732) 906-6813

Federal Officials

Senator Chuck Schumer
313 Hart Senate Office Building
Washington DC 20510
(202) 224-6542

or

Leo O'Brien Bldg, Room 420
Albany, NY 12207
(518) 431-4070

Senator Patrick Moynihan
4644 Russell Senate Office Building
Washington DC 20510
(202) 224-4451

Congressional District

Sue Kelly
21 Old Main Street
Fishkill, NY 12524
(914) 897-5200

New York State Agencies

New York State Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233
(518) 457-0414