



**FINAL REPORT
SEPTIC TANK, CATCH
BASIN AND DRY WELL
CLEAN OUTS**

*Malta Rocket Fuel Area Site
Malta, New York*

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EXECUTIVE SUMMARY

As part of the Remedial Investigation (RI) of the Malta Rocket Fuel Area Superfund Site, septic tanks, catch basins, and a dry well were sampled and cleaned out pursuant to a USEPA-approved work plan. Septic tanks located at Buildings 13, 17, 20 (two tanks), 25, and the former GE/Exxon Building (two tanks) were sampled in July and August 1995. The Building 13 septic sludge contained PCBs and was shipped to United Industrial Services (UIS) in Meriden, Connecticut for disposal. The contents of the Building 14 septic tank were presumed hazardous based on detections of solvents and heavy metals in 1992 during the RI and were shipped to Michigan Disposal's facility in Bellville, Michigan. The contents of the Building 17, 20 (two tanks), 25, and the two former GE/Exxon Building septic tanks were determined to be non-hazardous and were sent to the Saratoga County Sewer District #1 for disposal. The septic tanks were all returned to service following the clean outs.

Standing water from two catch basins at Building 24 showed detections of Freon 113 and was shipped to UIS in Meriden, Connecticut for disposal. Sediment from the two catch basins at Building 5 and the two catch basins at Building 24 was presumed hazardous based on detections of heavy metals and volatile organic compounds in 1992 during the RI and was shipped to Chemical Waste Management (CWM) in Model City, New York for ultimate disposal at its Port Arthur, Texas facility. The catch basins were returned to service following the clean outs.

Soil in the Building 3 dry well was determined to be hazardous based on detections of lead in 1992 during the RI. The soil was excavated and shipped to CWM for disposal at its Model City, New York hazardous

waste landfill. Following the clean out, the dry well was permanently closed.

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A Remedial Investigation (RI) to characterize and define environmental conditions at the Malta Rocket Fuel Area (MRFA) Site was recently completed (ERM-Northeast, Inc., 1995a). During the course of the RI, septic tanks, dry wells, and catch basins were sampled and several were found to contain elevated concentrations of constituents within the liquid, sludge, sediment, and/or soil. As a result, in July and August 1995 liquid and sludge from seven septic tanks, sediment from four catch basins, and soil from one dry well were sampled for waste characterization followed by removal, containerization, and transportation off-site for disposal (i.e., "clean outs").

This report describes the approach that was used to perform the septic tank, catch basin, and dry well clean outs at the MRFA Site. The remainder of this section contains background information regarding the Site and the RI. Section 2.0 describes the characterization of the materials removed for disposal. Section 3.0 describes the methodologies used for the clean outs and Section 4.0 describes how the wastes were transported and disposed. Section 5.0 summarizes an intermedia comparison of 1995 septic tank analytical results to the 1992 RI soil and ground water analytical results. The attachments to this report provide the laboratory analytical results and manifest documentation for the transport and disposal.

Work described in this report was based on the 30 June 1995 Work Plan (WP) for Septic Tank, Catch Basin and Dry Well Clean Outs (Clean Out WP) that was prepared by ERM-Northeast, Inc. (1995b) and approved by the United States Environmental Protection Agency (USEPA) (Petersen, 1995). All removed materials were shipped off-site for disposal. The

septic tanks and catch basins were returned to service; the single dry well was closed.

1.1

BACKGROUND

In July 1987, the MRFA Site was placed on the National Priorities List, and in September 1989, the USEPA issued an Unilateral Administrative Order (UAO) to Advanced Nuclear Fuels, Inc., Curtiss-Wright Corporation, General Electric Company (GE), Mechanical Technology, Inc. (MTI), New York State Energy Research and Development Authority (NYSERDA), Olin Corporation, Power Technologies, Inc. (PTI), and Wright-Malta Corporation as potentially responsible parties (PRPs). The UAO required that the PRPs conduct a RI and Feasibility Study (FS) at the MRFA Site. In March 1990, GE, NYSERDA, and the U.S. Department of Defense (DOD) (the Participating Parties) entered into a participation agreement to perform the RI and FS. The Final RI was submitted to the USEPA on 14 February 1995 (ERM-Northeast, 1995a) and a Revised FS was submitted to the USEPA on 5 October 1995 (Rust Environment and Infrastructure, 1995).

The septic tank, catch basin, and dry well clean out action described below was performed pursuant to the Clean Out WP (ERM-Northeast, Inc. 1995b) as well as Paragraph 87 of the UAO and the protocols set forth in the RI WP and RI Project Operations Plan (POP) (Geraghty and Miller, Inc., 1991a and b), and as amended with USEPA approval during the RI (ERM-Northeast, Inc., 1995c). In addition, procedures outlined in the Project Health and Safety Plan (HASP) and the Quality Assurance Project Plan (QAPP) included in the POP and as modified previously for the RI were followed by EnviroClean-Northeast, Inc. (EnviroClean), the remedial contractor for the Septic Tank, Catch Basin and Dry Well Clean Outs.

SITE DESCRIPTION AND LOCATION

The MRFA Site, also known as the Saratoga Research and Development Center, is located on Plains Road in the Towns of Malta and Stillwater, Saratoga County, New York. The Site consists of a square parcel of approximately 165 acres of developed land, known as the Malta Test Station (the Test Station), and additional acreage in the predominantly undeveloped woodlands surrounding the Test Station. Figure 1 identifies the location and areal extent of the MRFA Site.

The US Government established the Malta Test Station in 1945, and since then it has been used for a wide range of rocket and weapons testing programs as well as for space research. Thirty-three buildings have been constructed at the Test Station during its use as a research and development facility. In addition, numerous quench pits (concrete structures), leach fields/septic tanks, dry wells, storage areas, and disposal areas are also present onsite (Figure 2). The central 81 acre portion of the Test Station (property of the Wright-Malta Corporation) is still being used as a weapons and propellant testing facility. A fence surrounding the 165-acre Test Station, a single access road, and strict security restrict public access.

Public access is also restricted by a "safety easement" that surrounds the Test Station. The easement is a circular area within a one-mile radius of the approximate geographic center of the Test Station. The easement area, which consists of 1,800 acres of woodlands, acts as a safety buffer for neighboring residents. The holder of the easement has the right to: prohibit hunting and human habitation, remove buildings being used for human habitation, post signs, and enter the easement area to exercise these rights.

Forty-eight distinct Areas of Concern were investigated at the MRFA Site during the RI. The RI also included an inventory and sampling of seven septic systems, five catch basins, and eighteen dry wells. The septic system and drywell/catch basin inventories are provided in the Clean Out WP. Based on the findings from the RI, liquid and sludge from seven septic systems, sediment from four catch basins, and soil from one dry well were recommended for clean out and appropriate treatment/disposal in the Clean Out WP (ERM-Northeast, Inc., 1995b).

The septic tanks that were cleaned out are located at Buildings 13, 14, 17, 20, 25, and the former GE/Exxon Building. The catch basins that were cleaned out are located at Buildings 5 and 24. The dry well that was cleaned out is located at Building 3 (Figure 2). A general description of these structures was provided in the Clean Out WP.

2.0 WASTE CHARACTERIZATION

2.1 HISTORICAL AND RI ANALYTICAL CHARACTERIZATION

Historical and RI analytical results provided insight regarding the nature and potential waste classification of the materials in the septic tanks, catch basins, and the dry well.

The liquid and sludge from three septic systems (Buildings 20, 25 and the former GE/Exxon Building) were sampled and analyzed in 1987 prior to the RI. These historical analytical results are provided as Table 1. During the RI, seven septic tanks on the MRFA Site were sampled on March 24, 1992. The 1992 RI results indicated that the liquid/sludge associated with the Building 13, 17, 20 (two septic systems), 25, and the former GE/Exxon Building was most likely non-hazardous, while the sludge associated with the septic tank at Building 14 (which contains minor amounts of liquid) was likely hazardous due to concentrations of solvents, cadmium, chromium, lead, and mercury. A summary of the RI analytical results for the septic tanks is provided on Table 2.

Sediment from the catch basins and soil from the dry well were sampled on May 11 and 12, 1992 during the RI. These 1992 RI analytical results indicate the Building 5 and 24 catch basin sediments and the Building 3 dry well soils could potentially be classified as hazardous due to metals, volatile organic compounds (VOCs), pesticides, and/or polychlorinated biphenyls (PCBs). A summary of the dry well and catch basin analytical results is presented on Table 3.

Despite the 1992 RI analytical results, additional sampling and waste characterization prior to the clean outs was performed in 1995 to confirm

the data obtained from the 1992 RI sampling and analyses. All laboratory data obtained in 1995, prior to clean outs, are discussed below.

2.2 *BUILDINGS 17, 20, 25, AND THE FORMER GE/EXXON BUILDING SEPTIC TANK LIQUID/SLUDGE*

Based on historical and 1992 RI data provided in the Clean Out WP, it was anticipated that the laboratory test results would confirm the liquid/sludge material from six of the seven septic systems was non-hazardous (Building 14 septic sludge/liquid were considered hazardous) and would be below the regulatory levels accepted by the local publicly-owned treatment works (POTW). The local POTW is the Saratoga County Sewer District No. 1 (SCSD).

The SCSD indicated that the 1992 RI laboratory data could not be used by the SCSD to determine acceptance of the septic liquid/sludge because the data are more than two years old. Therefore, the SCSD required additional sampling prior to acceptance of the material.

On 24 July 1995, EnviroClean collected a composite sample of seven septic tanks containing liquid (Bldgs. 13, 17, 20 (two septic systems), 25, and the former GE/Exxon Building (two tanks in series)) and had that sample analyzed for the VOCs, semi-volatile organic compounds (SVOCs), pesticides/herbicides, and metals listed on the SCSD Toxicity Characteristic Leaching Procedure (TCLP) Regulatory Levels List, as presented in Table 4. In addition, the composite sample was analyzed for total PCBs. This composite was collected by obtaining two gallons of liquid/sludge from each tank and placing it in a new thirty-five gallon plastic garbage can. After all the tanks were sampled, the composite liquid/sludge material was thoroughly mixed and a representative

sample was placed in clean laboratory-supplied sample containers and then placed in a cooler with ice, which kept the samples at 4 degrees centigrade until received by the laboratory. Samples were delivered to Adirondack Environmental Services (AES) of Albany, New York on the same day that the sample was obtained. Laboratory test results are presented in Attachment A1.

The composite sample results, which are summarized in Table 5, showed detections of barium at 0.01 mg/l and PCBs at 2.4 ug/l. The presence of PCBs would prohibit disposal of the septic liquid/sludge at the SCSD. As a result, individual grab samples of liquids from the seven septic tanks were obtained on 17 August 1995 and analyzed for PCBs only to determine which septic tank contained the PCBs. No PCBs were detected in any of the liquid samples (see Table 5 and Attachment A2).

Since PCBs were not detected in the septic tank liquids, grab samples of the sludge in each septic tank were collected on 31 August 1995 and analyzed for PCBs, again to determine if the PCBs were restricted to one or more septic tanks. The results, summarized in Table 5 and provided in Attachment A3, indicate PCBs were detected only in the Building 13 septic sludge at 5.1 ug/g. Therefore, it was concluded that the PCBs detected in the 24 July 1995 composite sample were from sludge contained in the Building 13 septic tank.

All laboratory test results discussed above were submitted to the SCSD for approval. Since the liquids associated with Buildings 17, 20, 25, and the former GE/Exxon Building were below the SCSD Regulatory Levels (Table 4), they were characterized as non-hazardous and the SCSD stated it would accept these liquids/sludges for disposal.

2.3

BUILDING 13 SEPTIC LIQUID/SLUDGE

Although the Building 13 septic tank liquid/sludge was not determined to be a Resource Conservation and Recovery Act (RCRA) hazardous waste based on its characteristics, PCBs were detected and thus the Building 13 septic tank liquid and sludge could not be disposed at the SCSD. As a result, a sample of the Building 13 septage liquid/sludge and the August 1995 analytical results (Attachment A3) were sent to United Industrial Services (UIS) in Meriden, Connecticut to determine if their waste water treatment facility could accept the Building 13 septage. UIS determined that they could accept the septage.

2.4

BUILDING 14 HAZARDOUS SEPTIC SLUDGE/LIQUID

Based on the RI analytical data (Table 2), the contents of the Building 14 septic tank were assumed to be a hazardous waste sludge. The material was considered RCRA hazardous due to the concentrations of cadmium, chromium, lead, and mercury, and the possible presence of solvents. As a result, the Building 14 septic liquid/sludge was handled separately from the liquid/sludge from the other septic tanks.

In order to dispose of this material, biological activity had to be eliminated. This triggered the need for a biological analysis, as described in Section 3.2. of the Clean Out WP. The biological sample was also obtained on 24 July 1995. The laboratory test result is presented in Attachment A4. The biological sample indicated all biological activity had ceased thereby eliminating the need for treatment.

Laboratory test results of the Building 14 sludge (Table 2), the biological test result, and an additional sample from the septic tank were submitted

to Michigan Disposal to determine whether they could accept the Building 14 septage. Michigan Disposal determined that they could accept the Building 14 sludge/liquid septage for stabilization at their landfill facility in Bellville, Michigan.

2.5 *CATCH BASIN LIQUID AND SEDIMENT*

2.5.1 *Catch Basin Liquid*

During the RI catch basin sampling, standing liquid was not in the catch basins. However, when EnviroClean mobilized to begin the catch basin clean out activities, it noted that runoff from precipitation had collected in the two Building 24 catch basins. Based on the VOCs detected during the RI sediment sampling, one water sample from each Building 24 catch basin was collected on 13 October 1995 and analyzed for VOC analysis plus Freon 113. In addition, one composite sample of the water was collected on 23 October 1995 for PCB analysis to fulfill the SCSD PCB screening requirement. Samples were shipped to Phoenix Laboratories of Manchester, Connecticut on the same day that the samples were collected.

The laboratory test results are presented in Attachment A5. These results indicated that PCBs were not detected however, Freon 113 was present in the catch basin water. Although the liquid was characterized as RCRA non-hazardous, SCSD indicated that it could not accept the water for disposal. EnviroClean then submitted all laboratory results and an additional composite sample of the water from the two Building 24 catch basins to UIS for acceptance at their waste water facility in Connecticut. UIS determined that they would accept the water from the Building 24 catch basins.

2.5.2

Catch Basin Sediment

The catch basin sediment was assumed to be hazardous based on concentrations of metals and VOCs detected during the 1992 RI sampling. In order to determine an appropriate method of disposal, one sediment sample from each of the two catch basins at Building 5 was composited into one sample, and one sample from each of the two catch basins at Building 24 was combined into a separate composite sample and provided to Chemical Waste Management (CWM) Chemical Services, Inc. The two catch basin sediment samples were submitted, along with the RI analytical data, for waste classification and facility acceptance. CWM determined that the materials could be accepted at their bulking facility in Model City, New York with ultimate shipment to the CWM facility in Port Arthur, Texas for incineration.

2.6

DRY WELL SOIL

Based on the 1992 RI analytical results (Table 3), soil in the Building 3 dry well was considered RCRA hazardous due to the level of lead. In order to determine an appropriate method of disposal, the dry well analytical results were sent to the CWM facility for waste classification and facility acceptance. CWM determined that the materials could be accepted at their hazardous waste landfill in Model City, New York.

3.0 *CLEAN OUT METHODOLOGIES*

The waste materials found in the septic tanks, catch basins, and dry well differ in physical composition, therefore different removal techniques were required. Seven of the septic tanks contained primarily liquid with a high moisture content sludge layer (Buildings 13, 17, 20 (2 tanks at this location), 25, and the former GE/Exxon Building (2 tanks in series)), while one septic tank (Building 14) contained mainly sludge with a relatively minor amount of liquid. The catch basins at Buildings 5 contained sediment, the catch basins at Building 24 contained water and sediment, while the Building 3 dry well contained soil. The general approach for removing these waste materials is described below.

3.1 *SEPTIC TANK LIQUID/SLUDGE*

3.1.1 *Buildings 17, 20, 25, and Former GE/Exxon Building Septic Liquid/Sludge*

A sanitary disposal firm, E. M. Stone Septic Tank Service (SSTS) of Saratoga Springs, New York, removed the liquid/sludge from the septic tanks associated with Buildings 17, 20 (two septic systems), 25, and the former GE/Exxon Building (two tanks in series). A 2,000 gallon vacuum tank truck was used to remove the liquid/sludge. To the extent possible, high pressure rinsing of the interior of the septic tanks and associated piping was also performed at each tank location.

3.1.2 *Building 13 Septic Liquid/Sludge*

UIS provided a 5,000 gallon vacuum tanker to remove the liquid/sludge from the Building 13 septic tank. High pressure rinsing of the interior of the septic tank was also performed.

3.1.3 *Building 14 Septic Sludge/Liquid*

Hazmat Transportation (Hazmat) of Buffalo, New York and Frank's Vacuum Service (Frank's) of Niagara Falls, New York provided 5,000 gallon tanker trucks to pump the sludge and liquid from the Building 14 septic tank.

3.2 **CATCH BASINS**

3.2.1 *Liquid*

The water associated with the Building 24 catch basins was pumped into a 5,000 gallon vacuum tanker truck on 16 November 1995 prior to the sediment removal for storage and subsequent transport.

3.2.2 *Sediment*

Two catch basins at Building 5 (DW-5-1 and DW-5-2) and two catch basins at Building 24 (DW-24-1 and DW-24-2) were cleaned out on 16 November 1995. The sediments in the catch basins were excavated manually and staged near the catch basins in 55 gallon drums. Excavation of the materials were performed pursuant to the Clean Out WP.

3.3 **DRY WELL SOIL**

The Building 3 dry well soils were excavated on 23 October 1995 both manually and by using a backhoe. The soil was removed from the dry well and placed into hazardous waste approved cubic yard boxes. The

boxes were then covered with polyethylene sheeting and stored near the dry well for subsequent transport.

4.0 TRANSPORT AND DISPOSAL

4.1 SEPTIC TANKS

4.1.1 *Buildings 17, 20, 25, and the Former GE/Exxon Building*

As discussed in Section 3.1.1, SSTS removed the liquid/sludge from the five septic tanks. On 13 October 1995, a standard 2,000 gallon vacuum tank truck was used to remove the 8,000 gallons of liquid/sludge from the five non-hazardous septic tanks. Liquid and sludge material was disposed of at the SCSD facility in Malta, New York. The Bill of Laden is presented in Attachment B.

4.1.2 *Building 13 Septic Liquid/Sludge*

As discussed in Section 3.1.2, a 5,000 gallon vacuum tanker removed the liquid/sludge from the Building 13 septic tank. On 12 October 1995, the vacuum tanker arrived at the MRFA Site and removed 1,969 gallons of liquid and sludge from the Building 13 septic tank. This material was then transported to the UIS Waste Water Treatment Facility in Meriden, Connecticut for treatment and disposal. The Manifest is provided in Attachment C.

4.1.3 *Building 14 Septic Sludge/Liquid*

As discussed in Section 3.1.3, hazardous waste haulers pumped the sludge and liquid from the Building 14 septic tank and transported it to Michigan Disposal's facility in Bellville, Michigan for stabilization and subsequent landfill disposal. On 8 February 1996, Hazmat arrived with a standard 5,000 gallon vacuum tanker truck to remove the hazardous

sludge/liquid from the Building 14 septic tank. Based on the thickness of the sludge and the elevation difference between the septic tank and the location of the tanker truck, great difficulty was encountered in removing the sludge and liquid. After seven and three quarters hours of pumping, only 3,000 gallons of material was loaded on the tanker truck and pumping was terminated. The Manifest associated with the 8 February 1996 removal of hazardous sludge and liquid is provided in Attachment D.

Due to the difficulty encountered on 8 February 1996, EnviroClean determined that a super-sucker vacuum truck would be necessary to remove the remaining liquid and sludge from the Building 14 septic tank. Therefore, on 26 February 1996, Frank's Vacuum Service of Niagara Falls, New York arrived to complete the removal of the remaining sludge and liquid from the Building 14 septic tank. Using a high powered vacuum pump on the 5,000 gallon tanker truck, the remaining 2,895 gallons were removed from the Building 14 septic tank for a total of 5,895 gallons of Building 14 septic sludge/liquid. The Manifest associated with the 26 February 1995 removal is presented in Attachment D.

4.2 CATCH BASINS

4.2.1 Liquid

As discussed in Section 3.2.1, 1,100 gallons of water from the Building 24 catch basins were pumped into a 5,000 gallon tanker truck on 16 November 1995. This water was transported on the same date to the UIS treatment facility in Meriden, Connecticut. The Manifest associated with the transport and disposal of the Building 24 catch basin water is provided in Attachment E.

4.2.2

Sediment

One 55 gallon drum was required to containerize the sediment and liquid generated from the cleaning of the two catch basins at the Building 5 location while five 55 gallon drums were required to containerize the sediment and liquid generated from the cleaning of the two catch basins at the Building 24 location. All drums were temporarily staged near the catch basins.

On 8 February 1996, Hazmat arrived at the MRFA Site to pick-up the sediment drums associated with Buildings 5 and 24. EnviroClean provided a backhoe with forklifts to assist in loading the drums into the Hazmat tractor trailer. The six drums were transported to the CWM facility at Model City, New York with ultimate disposal by incineration at CWM's Port Arthur, Texas facility. The Manifest for the Building 5 and Building 24 catch basin sediment is provided in Attachment E. The Building 5 drum is identified as Item 11a of Manifest NYB8199873. The five Building 24 drums are identified as Item 11b of Manifest NYB8199918.

4.3

DRY WELL SOIL

Approximately eight cubic yards of soil were removed from the Building 3 dry well. The soil excavated from the dry well was containerized in eight cubic yard boxes approved for hazardous waste storage and transport.

On 8 February 1996, Hazmat picked-up the eight cubic yard boxes of soil from the Building 3 dry well excavation. The boxes were loaded onto the

Hazmat tractor trailer using a backhoe with a forklift attachment and transported to CWM in Model City, New York for disposal in their RCRA landfill. The Manifest is provided in Attachment E. The eight cubic yard boxes of soil associated with Building 3 are documented as Item 11c of Manifest NYB819873.

INTERMEDIA COMPARISONS

As presented in the Clean Out WP, the analytical results from the RI septic tank samplings and the 1995 TCLP analytical results for waste characterization were compared to the RI ground water quality data and soil quality data from borings previously placed in the vicinity of the septic tank leachfields or cesspools. This intermedia comparison was conducted and submitted to the USEPA and the New York State Department of Environmental Conservation (NYSDEC) on 3 November 1995 (Begor, 1995) and are provided as Tables 6 and 7.

Based on the intermedia comparison, the Participating Parties recommended that sampling of the cesspools was not necessary. Pursuant to a 2 January 1996 letter from the USEPA to the NYSDEC (McCabe, 1995), however, sampling of 13 cesspools was required by the NYSDEC.

Soil samples from the 13 cesspools were collected on 31 January and 1 February 1996 and analyzed for VOCs. The analytical results from the cesspool soil sampling were submitted to the USEPA and the NYSDEC in a letter report dated 8 March 1996 (ERM-Northeast, Inc., 1996). Carbon tetrachloride and trichloroethene were not detected in any of the cesspool soil samples.

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LEGEND:

(6a)

SURFACE WATER RAVINE ID#

SOURCE: USGS ROUND LAKE AND MECHANICVILLE
7.5' QUADRANGLES

SARATOGA LAKE



SARATOGA RIDGE
WELL

SARATOGA HOLLOW
WELL

COLD SPRING WELL

APPROXIMATE ONE MILE EASEMENT BOUNDARY

GE/EXXON

SITE

Cornell Hill
lookout tower

Black Pond

LUTHER FOREST
WELL FIELD

Maltaville

Little
Round
Lake

Round
Lake

MALTA
STILLWATER

L
W
T
E
R

TITLE

SITE LOCATION MAP

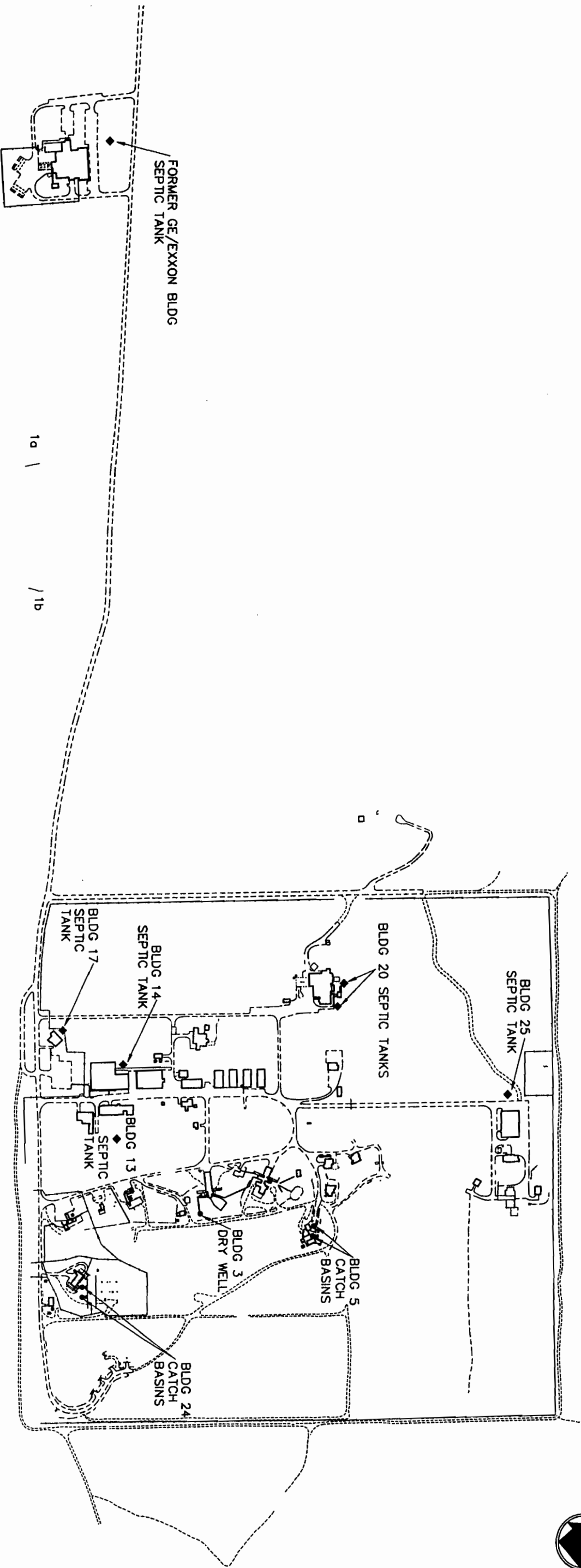
PREPARED FOR

MALTA ROCKET FUEL AREA SITE

ERM ERM-Northeast
Environmental Resource Management

SCALE
1"=2000
DATE
8/92

FIGURE
1



FORMER GE/EXXON BLDG
SEPTIC TANK

1a |
|
1b

2a |

2b

2c

LEGEND:

BLDG 13 - SEPTIC TANK LOCATION AND BUILDING NUMBER.

• - DRY WELL LOCATION.

SEPTIC TANK AND DRY WELL
LOCATION MAP
MALTA ROCKET FUEL AREA SITE
MALTA, NY

PREPARED FOR

MALTA ROCKET FUEL AREA SITE

ERM-Northeast

ERM

SCALE
1" = 500'

DATE
5/95

FIGURE
2

TABLE 1
MALTA ROCKET FUEL AREA SITE
SEPTIC TANK ANALYTICAL RESULTS - 1987-1989

Volatile Organic Compounds	1/12/87		10/16/87	
	former GE/Exxon Bldg.*	Building 25*	Building 20*	Building 25*
Bromomethane	ND	2.2 ug/l (liquid)	ND	ND
Carbon Tetrachloride	ND	14 ug/l (liquid)	ND	ND
1,1-Dichloroethane	ND	6.8 ug/l (liquid)	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
Cis-1,2-Dichloroethane	ND	ND	ND	ND
Trans-1,2-Dichloroethane	ND	170 ug/l (liquid)	ND	1500 ug/l (liquid)
Ethylbenzene	ND	ND	ND	70 ug/l (liquid)
Toluene	96 ug/l (liquid)	19 ug/l (liquid)	457 ug/l (liquid)	1300 ug/l (liquid)
1,1,2-Trichloroethane	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND
Xylenes	ND	12 ug/l (liquid)	ND	ND
Residual Chlorine	ND	0.08 mg/l	NA	NA

Notes:

1. ND = Not detected.
2. NA = Not analyzed for.
3. * = Septic tank was pumped and rinsed in May, 1988.

TABLE 1
MALTA ROCKET FUEL AREA SITE
SEPTIC TANK ANALYTICAL RESULTS - 1987-1989

Volatile Organic Compounds	12/11/87		former GE/Exxon Bldg.*		2/16/89		former GE/Exxon Bldg.*
	Building 20*	Building 25*		Building 25*	Building 17	Building 25*	
Bromomethane	ND	ND	ND		ND	ND	ND
Carbon Tetrachloride	ND	ND	ND		ND	ND	ND
1,1-Dichloroethane	ND	ND	ND		ND	ND	ND
1,2-Dichloroethane	ND	ND	ND		ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND		ND	1140 ug/l (liquid)	ND
Trans-1,2-Dichloroethene	ND	25000 ug/kg (sludge)	ND		ND	ND	ND
Ethylbenzene	ND	ND	ND		ND	ND	ND
Toluene	120 ug/kg (sludge)	3060 ug/kg (sludge)	47000 ug/kg (sludge)		37 ug/l (liquid)	2213 ug/l (liquid)	103 ug/l (liquid)
1,1,2-Trichloroethane	ND	ND	ND		ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND		ND	28 ug/l (liquid)	ND
1,2,4-Trimethylbenzene	ND	ND	ND		ND	45 ug/l (liquid)	ND
Xylenes	ND	ND	ND		ND	ND	ND
Residual Chlorine	NA	NA	NA		NA	NA	NA

Notes:

1. ND = Not detected.
2. NA = Not analyzed for.
3. * = Septic tank was pumped and rinsed in May, 1988.

TABLE 2
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
INORGANIC ANALYTES

Analytes	Bldg. 13		Bldg. 14				Bldg. 17		Bldg. 20			
	SL1301		SL1401*		SLDUPB*		SL1701		SL20-N-01		SL20-O-01	
Aluminum	6010		8510	J	3180	J	145	B	661		2130	
Antimony	< 24.9	U	< 35.5	UJ	< 37.1	UJ	< 25.0	U	< 25.0	U	< 25.0	U
Arsenic	20.4	J	6.2	BJ	7.0	BJ	3.9	BJ	3.5	J	< 3.5	UJ
Barium	225	J	1530	J	361	J	22.1	BJ	60.6	BJ	127	BJ
Beryllium	< 0.30	U	< 0.42	UJ	< 0.44	UJ	< 0.30	U	< 0.30	U	< 0.30	U
Cadmium	60.1		51.8	J	30.0	J	< 1.2	UJ	2.9	BJ	7.9	J
Calcium	77100		23600	J	11500	J	59700		50200		148000	
Chromium	174		361	J	191	J	< 2.4	U	3.8	B	7.2	B
Cobalt	34.1	B	3.7	BJ	5.3	BJ	< 2.2	U	< 2.2	U	< 2.2	U
Copper	2250		2230	J	862	J	113		70.6		83	
Iron	36400		17200	J	8890	J	498		1250		4460	
Lead	327	J	398	J	187	J	7.5	J	10.4	J	29.0	J
Magnesium	13800		2380	BJ	1460	BJ	11800		10300		19600	
Manganese	242		150	J	77.8	J	52.3		41.4		131	
Mercury	5.9		12.5	J	17.3	J	0.9		0.44		1.6	
Nickel	257		77.7	J	70.8	J	20.2	B	42.2		16.9	B
Potassium	27900		< 1490	UJ	1970	BJ	63200		7370		114000	
Selenium	3.4	BJ	3.2	BJ	1.7	BJ	< 1.5	U	< 1.5	U	< 1.5	UJ
Silver	25		54.5	J	7.6	BJ	< 3.5	U	< 3.5	U	< 3.5	U
Sodium	37000		158	BJ	157	BJ	81200		15300		76300	
Thallium	< 2.2	U	< 2.9	UJ	< 2.4	UJ	< 2.2	U	< 2.2	U	< 2.2	UJ
Vanadium	29.0	B	15.0	BJ	9.0	BJ	< 2.7	U	< 2.7	U	5.1	B
Zinc	7330		2610	J	1860	J	306		476		568	
Cyanide	11.9	J	< 4.2	UJ	< 4.6	UJ	< 10.0	UJ	< 10.0	UJ	< 10.0	UJ
Boron	1060		< 141	UJ	< 148	UJ	116		< 99.6	U	< 99.6	U

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. U = Analyte was not detected.
3. * = These concentrations are in milligrams per kilogram (mg/kg = parts per million (ppm)). SLDUPB is a duplicate of SL1401.
4. J = Semi-quantitative value due to QA/QC data validation requirements.
5. B = Value is above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL).

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
INORGANIC ANALYTES

Analytes	Bldg. 25			Former GE/Exxon SLGEX01	FB1032492		FB2032492
	SL2501	SLDUPA*					
Aluminum	1350	2610 J		85.3B B	< 68.9 U	< 68.8 U	
Antimony	< 24.9 U	< 24.9 U		< 25.0 U	< 25.0 U	< 25.0 U	
Arsenic	4.2 BJ	6.9 BJ		< 3.5 UJ	< 3.5 UJ	< 3.5 UJ	
Barium	62.6 BJ	115 BJ		29.8 BJ	< 1.1 UJ	< 1.1 UJ	
Beryllium	< 0.30 U	< 0.30 U		< 0.30 U	< 0.30 U	< 0.30 U	
Cadmium	20.4	45.7 J		< 1.2 UJ	< 1.2 UJ	< 1.2 UJ	
Calcium	118000	127000		52200	< 47.5 U	< 47.5 U	
Chromium	25.7	65.4 J		< 2.4 U	< 2.4 U	< 2.4 U	
Cobalt	< 2.2 U	2.7 B		< 2.2 U	< 2.2 U	< 2.2 U	
Copper	268	567 J		64.9	< 2.4 U	< 2.4 U	
Iron	9380	27200 J		555	8.4 B	8.6 B	
Lead	146 J	257 J		17.5 J	1.0 BJ	< 0.90 UJ	
Magnesium	8830	9500		12000	< 71.4 U	< 71.3 U	
Manganese	112	145		20.2	< 0.90 U	< 0.90 U	
Mercury	1.0	0.95		0.26	< 0.06 U	< 0.06 U	
Nickel	18.2 B	44.9		6.0 B	< 3.2 U	< 3.2 U	
Potassium	18600	18300		46900	< 1040 U	1540 B	
Selenium	< 1.5 U	2.8 BJ		< 1.5 U	< 1.5 U	< 1.5 U	
Silver	110	212 J		< 3.5 U	< 3.5 U	< 3.5 U	
Sodium	22200	22700		53300	< 97.7 U	< 97.7 U	
Thallium	< 2.2 U	< 2.2 U		< 2.2 U	< 2.2 U	< 2.2 U	
Vanadium	4.5 B	7.2 B		< 2.7 U	< 2.7 U	< 2.7 U	
Zinc	1140	2190 J		96.8	< 2.1 U	< 2.1 U	
Cyanide	< 10.0 UJ	< 10.0 UJ		< 10.0 UJ	< 10.0 UJ	< 10.0 UJ	
Boron	< 99.3 U	< 99.2 U		< 99.5 U	< 99.5 U	< 99.5 U	

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. U = Analyte was not detected.
3. J = Semi-quantitative value due to QA/QC data validation requirements.
4. B = Value is above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL).
5. * = SLDUPA is a duplicate of SL2501.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS

Target Volatile Organic Compounds*	Bldg. 13		Bldg. 14			Bldg. 17		Bldg. 20	
	SL1301		SL1401**	SLDUPB**		SL1701		SL20-N-01	SL20-O-01
Vinyl Chloride	1	J	< 9200	< 130	UJ	< 10	U	< 10	U
Methylene Chloride	< 10	U	< 9200	45	BJ	< 10	U	< 10	U
Acetone	90		< 9200	350	BJ	89		6	J
1,2-Dichloroethene (total)	160		< 9200	< 130	UJ	< 10	U	< 10	U
Chloroform	< 10	U	< 9200	< 130	UJ	< 10	U	< 10	U
2-Butanone	< 10	U	< 9200	61	J	6	J	< 10	U
Toluene	5	J	< 9200	< 130	UJ	4	J	37	
Ethylbenzene	< 10	U	1500	J	78	J	< 10	U	< 10
Xylene (total)	< 10	U	< 9200	130	J	< 10	U	< 10	U

Volatile Organic TICs

2-Propanol	NF		NF		NF		NF		NF
Decane	NF		NF		NF	9	NJ		NF
Dimethyldisulfide	6	NJ	NF		NF	30	NJ		NF
Hexane	5	NJ	NF		NF		NF		NF
Methanethiol		NF	NF		NF	6	NJ		NF
Thiobismethane	46	NJ	NF		NF	400	NJ		NF
Tricyclo [3.3.1.1 ^{3,7}] Decane	NF		NF		1400	NJ	NF		NF
Tricyclo [3.3.1.1 ^{3,7}] Decane, 1	NF		26000	NJ	2800	NJ	NF		NF
Trisulfide, Dimethyl	NF		NF		NF		NF		NF
Unknown C4-Cyclohexane	NF		NF		860	J	NF		NF
Unknown Cyclic Hydrocarbon	NF		NF		780	J	NF		NF
Unknown Dimethylcyclooctane	NF		24000	J	3600	J	NF		NF
Unknown Ethylmethylcyclohexane	NF		5000	J	970	J	NF		NF
Unknown Hydrocarbons	NF		6000	J	1810	J	NF		NF
Unknown Polycyclic Hydrocarbon	NF		NF		510	J	NF		NF
Unknown Trimethylcyclohexane	NF		NF		NF		NF		NF
Assorted Unknowns	NF		15000	J	460	J	NF		NF

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. * = Only compounds that were detected in one or more samples are listed.
3. ** = These concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)). SLDUPB is a duplicate of SL1401.
4. U = Analyte was not detected.
5. J = Semi-quantitative value due to QA/QC data validation requirements.
6. B = Compound was detected in associated method blank.
7. N = Compound was identified with a Chemical Abstract Services (CAS) number.
8. NF = Compound not found on TIC list.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS

Target Volatile Organic Compounds*	Bldg. 25		Former GE/Exxon		FB1032492	FB2032492
	SL2501	SLDUPA**	SLGEX01			
Vinyl Chloride	< 120 U	< 260 U	< 10 U		< 10 U	< 10 U
Methylene Chloride	< 120 U	< 260 U	< 10 U		< 10 U	< 10 U
Acetone	< 120 U	< 260 U	150		< 10 U	< 10 U
1,2-Dichloroethene (total)	2200	4000	< 10 U		< 10 U	< 10 U
Chloroform	< 120 U	< 260 U	< 10 U		18	16
2-Butanone	< 120 U	< 260 U	4 J		< 10 U	< 10 U
Toluene	20 J	41 J	90		< 10 U	< 10 U
Ethylbenzene	< 120 U	< 260 U	4 J		< 10 U	< 10 U
Xylene (total)	< 120 U	< 260 U	36		< 10 U	< 10 U

Volatile Organic TICs

2-Propanol	NF	NF	14 NJ	NF	NF
Decane	NF	NF	NF	NF	NF
Dimethyldisulfide	NF	NF	170 NJ	NF	NF
Hexane	NF	NF	NF	NF	NF
Methanethiol	NF	NF	23 NJ	NF	NF
Thiobismethane	NF	NF	260 NJ	NF	NF
Tricyclo [3.3.1.1 ^{3,7}] Decane	NF	NF	NF	NF	NF
Tricyclo [3.3.1.1 ^{3,7}] Decane, 1	NF	NF	8 NJ	NF	NF
Trisulfide, Dimethyl	NF	NF	41 NJ	NF	NF
Unknown C4-Cyclohexane	NF	NF	NF	NF	NF
Unknown Cyclichydrocarbon	NF	NF	NF	NF	NF
Unknown Dimethylcyclooctane	NF	NF	NF	NF	NF
Unknown Ethylmethylcyclohexane	NF	NF	NF	NF	NF
Unknown Hydrocarbons	NF	NF	9 J	NF	NF
Unknown Polycyclichydrocarbon	NF	NF	NF	NF	NF
Unknown Trimethylcyclohexane	NF	NF	7 J	NF	NF
Assorted Unknowns	NF	NF	NF	NF	NF

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. * = Only compounds that were detected in one or more samples are listed.
3. U = Analyte was not detected.
4. J = Semi-quantitative value due to QA/QC data validation requirements.
5. B = Compound was detected in associated method blank.
6. N = Compound was identified with a Chemical Abstract Services (CAS) number.
7. NF = Compound not found on TIC list.
8. ** = SLDUPA is a duplicate of SL2501.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
TARGET SEMI-VOLATILE ORGANIC COMPOUNDS

Target Semi-Volatile Organic Compounds*	Bldg. 13 SL1301		Bldg. 14 SL1401** SLDUPB**		Bldg. 17 SL1701		Bldg. 20 SL20-N-01 SL20-O-01	
Acenaphthene	< 10	U	< 47000	UJ	< 54000	U	< 10	U
bis (2-Ethylhexyl) Phthalate	< 10	U	< 47000	UJ	9100	BJ	< 10	U
Butylbenzylphthalate	6	J	< 47000	UJ	< 54000	U	< 10	UJ
Dibenzofuran	< 10	U	< 47000	UJ	< 54000	U	< 10	U
1,4-Dichlorobenzene	35		8600	J	< 54000	U	2	J
Diethylphthalate	4	J	< 47000	UJ	< 54000	U	< 10	U
Fluoranthene	< 10	U	4600	J	8500	BJ	< 10	U
Fluorene	< 10	U	43000	J	< 54000	U	< 10	U
2-Methylnaphthalene	< 10	U	190000	J	27000	J	< 10	U
4-Methylphenol	3	J	< 47000	UJ	< 54000	U	490	D
Naphthalene	< 10	U	< 47000	UJ	< 54000	U	< 10	U
Phenanthrene	< 10	U	88000	J	33000	J	< 10	U
Phenol	17		< 47000	UJ	< 54000	U	120	D
Pyrene	< 10	U	14000	J	39000	J	< 10	U

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. * = Only compounds that were detected in one or more samples are listed.
3. ** = These concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)). SLDUPB is a duplicate of SL1401.
4. U = Analyte was not detected.
5. J = Semi-quantitative value due to QA/QC data validation requirements.
6. B = Compound was detected in associated method blank.
7. D = Reported values are from secondary dilution analysis.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
TARGET SEMI-VOLATILE ORGANIC COMPOUNDS

Target Semi-Volatile Organic Compounds*	Bldg. 25				Former GE/Exxon	FB1032492	FB2032492
	SL2501		SLDUPA**		SLGEX01		
Acenaphthene	2	J	< 100	U	< 100 U	< 10 U	< 10 U
bis (2-Ethylhexyl) Phthalate	< 10	U	< 100	U	< 100 U	< 10 U	37 B
Butylbenzylphthalate	< 10	UJ	< 100	U	< 100 U	< 10 U	< 10 U
Dibenzofuran	4	J	< 100	U	< 100 U	< 10 U	< 10 U
1,4-Dichlorobenzene	26		44	J	< 100 U	< 10 U	< 10 U
Diethylphthalate	< 10	U	< 100	U	< 100 U	< 10 U	< 10 U
Fluoranthene	3	J	11	J	< 100 U	< 10 U	< 10 U
Fluorene	4	J	11	J	< 100 U	< 10 U	< 10 U
2-Methylnaphthalene	< 10	U	< 100	U	< 100 U	< 10 U	< 10 U
4-Methylphenol	< 10	U	< 100	U	670	< 10 U	< 10 U
Naphthalene	2	J	< 100	U	< 100 U	< 10 U	< 10 U
Phenanthrene	4	J	16	J	< 100 U	< 10 U	< 10 U
Phenol	< 10	U	< 100	U	180	< 10 U	< 10 U
Pyrene	2	J	< 100	U	< 100 U	< 10 U	< 10 U

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. * = Only compounds that were detected in one or more samples are listed.
3. U = Analyte was not detected.
4. J = Semi-quantitative value due to QA/QC data validation requirements.
5. B = Compound was detected in associated method blank.
6. ** = SLDUPA is a duplicate of SL2501.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
TENTATIVELY IDENTIFIED SEMI-VOLATILE ORGANIC COMPOUNDS (TICs)

Semi-Volatile Organic TICs	Bldg. 13 SL1301	Bldg. 14		Bldg. 17 SL1701	Bldg. 20	
		SL1401*	SLDUPB*		SL20-N-01	SL20-O-01
2,4-Imidazolidinedione Derivative	NF	NF	NF	33	NF	NF
2H-Indol-2-One-1,3-Dihydro-	NF	NF	NF	31	NF	NF
Benzeneacetic Acid	NF	NF	NF	NF	NF	NF
Benzenepropanoic Acid	NF	NF	NF	140	NF	NF
Benzoic Acid	NF	NF	NF	160	NF	NF
Caffeine	NF	NF	NF	190	NF	NF
Cholesterol (Van)	650	NF	NF	NF	NF	NF
Cholesterol	NF	NF	NF	NF	NF	NF
Decane	NF	NF	NF	NF	110	NF
Decane, 2-Methyl-	NF	NF	450000	NF	NF	NF
Decane, 3-Methyl-	NF	NF	660000	NF	NF	NF
Decane, 4-Methyl-	NF	NF	NF	NF	NF	NF
Decanoic Acid	NF	NF	NF	34	NF	NF
Dodecane	NF	NF	NF	NF	NF	NF
Dodecane, 6-Methyl-	NF	240000	540000	NF	NF	NF
Dodecanoic Acid	NF	NF	NF	35	NF	NF
Eicosane	NF	NF	NF	NF	NF	NF
Ethanol, 2-Butoxy-	NF	NF	NF	NF	NF	NF
Heptadecane	NF	NF	NF	71	NF	NF
Hexadecane	NF	NF	NF	NF	72	NF
Hexadecane, 2,6,10,14-Tetramethyl	NF	260000	650000	35	NF	16
Hexadecanoic Acid	270	NF	NF	110	NF	NF
Naphthalene, 1,3-Dimethyl-	NF	500000	NF	NF	NF	NF
Naphthalene, 1-Methyl-	NF	200000	NF	NF	NF	NF
Naphthalene, 2,7-Dimethyl-	NF	410000	NF	NF	NF	NF
Nonacosane	730	NF	NF	NF	120	NF
Nonadecane	NF	NF	NF	NF	NF	NF
Nonane, 2,5-Dimethyl-	NF	NF	320000	NF	NF	NF
Nonane, 2,6-Dimethyl-	NF	NF	750000	NF	57	9
Octadecane	NF	NF	NF	60	NF	NF
Octadecanoic Acid	490	NF	NF	94	NF	NF
Octane, 3,6-Dimethyl-	NF	NF	NF	NF	NF	3
Octane, 6-Ethyl-2-Methyl-	NF	NF	NF	NF	NF	5
Octanoic Acid	NF	NF	NF	34	NF	NF
Pentadecane	NF	NF	NF	NF	NF	NF
Pentadecane, 2,6,10,14-Tetramethyl	NF	530000	1200000	NF	NF	6

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
TENTATIVELY IDENTIFIED SEMI-VOLATILE ORGANIC COMPOUNDS (TICs)

Semi-Volatile Organic TICs	Bldg. 13 SL1301	Bldg. 14		Bldg. 17 SL1701	Bldg. 20	
		SL1401*	SLDUPB*		SL20-N-01	SL20-O-01
Pentanoic Acid	NF	NF	NF	57	NJ	NF
Propanoic Acid Derivatives	440	NJ	NF	NF	NF	NF
Purine Dione Derivative	NF	NF	NF	34	NJ	NF
Tetradecane	NF	NF	NF	NF	140	NJ
Tetradecanoic Acid	NF	NF	NF	NF	110	NJ
Tridecane	NF	NF	NF	NF	NF	NF
Undecane	NF	NF	NF	NF	140	NJ
Unknown Aliphatic Amine Derivative	NF	NF	NF	NF	47	J
Unknown Alkanes	NF	250000	J	550000	J	NF
Unknown Alkylcyclohexane	NF	NF	NF	NF	NF	NF
Unknown C15-Alkanes	NF	460000	J	810000	J	NF
Unknown C16-Alkanes	NF	410000	J	800000	J	NF
Unknown C17-Alkane	NF	290000	J	540000	J	NF
Unknown C9-Alkylphenols	NF	NF	NF	NF	NF	NF
Unknown Cholestane Derivatives	1910	J	3660000	J	1900000	J
Unknown Cholesterol	1600	J	1300000	J	2400000	J
Unknown Dimethylphenanthrene	NF	NF	310000	J	NF	NF
Unknown Ergostane Derivative	240	J	NF	NF	NF	NF
Unknown Octadecenoic Acids	100	J	NF	37	J	700
Unknown Polyalkoxyisopropanols	NF	NF	NF	NF	NF	NF
Unknown Polyterpene Derivatives	900	J	NF	1750000	J	279
Unknown Sesquiterpene	NF	NF	400000	J	NF	NF
Unknown Sesquiterpene Derivative	NF	210000	J	600000	J	NF
Unknown Terpene	NF	NF	NF	NF	50	J
Unknown Tocopherol	110	J	270000	J	NF	92
Unknown Trimethylnaphthalenes	NF	750000	J	NF	NF	NF
Unknown Trimethylpentanediol	150	J	NF	NF	NF	NF
Assorted Unknowns	530	J	NF	430000	J	86

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. * = These concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)). SLDUPB is a duplicate of SL1401.
3. J = Semi-quantitative value due to QA/QC data validation requirements.
4. N = Compound was identified with a Chemical Abstracts Services (CAS) number.
5. NA = Not analyzed.
6. NF = Compound not found in TIC list.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
TENTATIVELY IDENTIFIED SEMI-VOLATILE ORGANIC COMPOUNDS (TICs)

Semi-Volatile Organic TICs	Bldg. 25		Former GE/Exxon SLGEX01	FB1032492	FB2032492
	SL2501	SLDUPA*			
2,4-Imidazolidinedione Derivative	NF	NF	NF	NF	NF
2H,Indol-2-One-1,3-Dihydro-	NF	NF	NF	NF	NF
Benzeneacetic Acid	NF	NF	260 NJ	NF	NF
Benzenepropionic Acid	NF	NF	NF	NF	NF
Benzoic Acid	NF	NF	230 NJ	NF	NF
Caffeine	NF	NF	140 NJ	NF	NF
Cholesterol (Van)	NF	NF	NF	NF	NF
Cholesterol	NF	NF	180 NJ	NF	NF
Decane	36 NJ	160 NJ	550 NJ	NF	NF
Decane, 2-Methyl-	NF	NF	160 NJ	NF	NF
Decane, 3-Methyl-	NF	NF	130 NJ	NF	NF
Decane, 4-Methyl-	NF	NF	100 NJ	NF	NF
Decanoic Acid	NF	NF	NF	NF	NF
Dodecane	58 NJ	140 NJ	110 NJ	NF	NF
Dodecane, 6-Methyl-	NF	NF	NF	NF	NF
Dodecanoic Acid	NF	NF	180 NJ	NF	NF
Eicosane	66 NJ	250 NJ	NF	NF	NF
Ethanol, 2-Butoxy-	NF	NF	220 NJ	NF	NF
Heptadecane	380 NJ	1600 NJ	NF	NF	NF
Hexadecane	440 NJ	1500 NJ	NF	NF	NF
Hexadecane, 2,6,10,14-Tetramethyl	100 NJ	360 NJ	NF	NF	NF
Hexadecanoic Acid	NF	NF	670 NJ	NF	NF
Naphthalene, 1,3-Dimethyl-	NF	NF	NF	NF	NF
Naphthalene, 1-Methyl-	NF	NF	NF	NF	NF
Naphthalene, 2,7-Dimethyl-	NF	NF	NF	NF	NF
Nonacosane	NF	NF	NF	NF	NF
Nonadecane	160 NJ	540 NJ	NF	NF	NF
Nonane, 2,5-Dimethyl-	NF	NF	120 NJ	NF	NF
Nonane, 2,6-Dimethyl-	NF	NF	100 NJ	NF	NF
Octadecane	260 NJ	1000 NJ	NF	NF	NF
Octadecanoic Acid	NF	NF	770 NJ	NF	NF
Octane, 3,6-Dimethyl-	NF	NF	NF	NF	NF
Octane, 6-Ethyl-2-Methyl-	NF	NF	NF	NF	NF
Octanoic Acid	NF	NF	NF	4 J	NF
Pentadecane	370 NJ	1300 NJ	NF	NF	NF
Pentadecane, 2,6,10,14-Tetramethyl	100 NJ	470 NJ	NF	NF	NF

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
TENTATIVELY IDENTIFIED SEMI-VOLATILE ORGANIC COMPOUNDS (TICs)

Semi-Volatile Organic TICs	Bldg. 25		Former GE/Exxon SLGEX01	FB1032492	FB2032492
	SL2501	SLDUPA*			
Pentanoic Acid	NF	NF	NF	NF	NF
Propanoic Acid Derivatives	NF	NF	NF	6	J
Purine Dione Derivative	NF	NF	NF	NF	NF
Tetradecane	190	NJ	NF	NF	NF
Tetradecanoic Acid	NF	NF	200	NJ	NF
Tridecane	81	NJ	NF	NF	NF
Undecane	64	NJ	790	NJ	NF
Unknown Aliphatic Amine Derivative	NF	NF	NF	NF	NF
Unknown Alkanes	NF	130	NF	NF	NF
Unknown Alkylcyclohexane	NF	140	NF	NF	NF
Unknown C15-Alkanes	88	J	NF	NF	NF
Unknown C16-Alkanes	142	J	NF	NF	NF
Unknown C17-Alkane	83	J	NF	NF	NF
Unknown C9-Alkylphenols	NF	NF	NF	NF	NF
Unknown Cholestane Derivatives	200	J	NF	NF	NF
Unknown Cholesterol	100	J	280	NF	NF
Unknown Dimethylphenanthrene	NF	NF	NF	NF	NF
Unknown Ergostane Derivative	NF	NF	NF	NF	NF
Unknown Octadecenoic Acids	NF	NF	570	J	NF
Unknown Polyalkoxyisopropanols	NF	NF	NF	NF	94
Unknown Polyterpene Derivatives	NF	NF	NF	15	J
Unknown Sesquiterpene	NF	NF	NF	NF	NF
Unknown Sesquiterpene Derivative	NF	NF	NF	NF	NF
Unknown Terpene	NF	NF	NF	NF	NF
Unknown Tocopherol	NF	NF	NF	NF	NF
Unknown Trimethylnaphthalenes	NF	NF	NF	NF	NF
Unknown Trimethylpentanediol	NF	NF	NF	NF	NF
Assorted Unknowns	NF	NF	NF	NF	NF

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. J = Semi-quantitative value due to QA/QC data validation requirements.
3. N = Compound was identified with a Chemical Abstracts Services (CAS) number.
4. NA = Not analyzed.
5. NF = Compound not found in TIC list.
6. * = SLDUPA is a duplicate of SL2501.

TABLE 2 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF SEPTIC TANK RI ANALYTICAL RESULTS
PESTICIDE/PCB COMPOUNDS

Pesticide/PCB Compounds*	Bldg. 13 SL1301		Bldg. 14 SL1401**		Bldg. 17 SL1701	Bldg. 20		Bldg. 25		Former GE/Exxon SLGEX01	FB1032492	FB2032492
	< 0.10	U	310	J	170	J	SL20-N-01	SL20-O-01	SL2501	SLDUPA***		
4,4'-DDD	< 0.10	U	< 94	UJ	74	J	< 0.10	U	< 0.10	U	< 0.10	U
4,4'-DDE	< 0.10	U	< 94	UJ	74	J	< 0.10	U	< 0.10	U	< 0.10	U
Aroclor-1254	0.70	PJ	5100	J	1300	J	< 1.0	U	< 1.0	U	< 1.0	U
Aroclor-1260	< 1.0	U	7400	J	2700	J	< 1.0	U	< 1.0	U	1.0	J

Notes:

1. All concentrations are in micrograms per liter (ug/l = parts per billion (ppb)) except where noted.
2. * = Only compounds that were detected in one or more samples are listed.
3. ** = These concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)). SLDUPB is a duplicate of SL1401.
4. U = Analyte was not detected.
5. J = Semi-quantitative value due to QA/QC data validation requirements.
6. P = >25% difference for detected concentrations between the two GC columns. The lower value is reported.
7. *** = SLDUPA is a duplicate of SL2501.

TABLE 3
MALTA ROCKET FUEL AREA SITE
SUMMARY OF CATCH BASIN AND DRY WELL
RI ANALYTICAL RESULTS
INORGANIC ANALYTES

Analytes	Bldg. 3		Bldg. 5				Bldg. 24			
	DW-3-1		DW-5-1		DW-5-2		DW-24-1		DW-24-2	
Aluminum	7980		3980		2370		9060	J	9370	J
Antimony	< 7.3	UJ	< 3.7	UJ	6.6	BJ	3.4	BJ	< 3.3	UJ
Arsenic	13.0	J	5.1	J	4.4	J	8.3		9.1	
Barium	66.2		21.2	B	13.4	B	76.1	J	75.9	J
Beryllium	0.47	B	0.22	B	0.22	B	0.50	B	0.53	B
Cadmium	5.0	J	2.2	J	12.6	J	0.69	B	0.97	B
Calcium	5640		10800		117000		68900	J	51600	J
Chromium	56.6	J	24.5	J	7.7	J	17.7	J	18.0	J
Cobalt	5.2	B	4.1	B	2.4	B	12.0		10.1	
Copper	85.3	J	41.0	J	85.2	J	38.7		38.9	
Iron	24300		21900		10300		22800	J	23400	J
Lead	163		56.6	J	85.9	J	44.4		43.2	
Magnesium	3180		5120		62400		28300	J	20800	J
Manganese	268	J	195	J	103	J	554		570	
Mercury	0.42	J	3.0	J	5.2	J	0.11	J	0.11	J
Nickel	35.4		15.4		27.1		21.7		23.1	
Potassium	1390	B	441	B	< 209	U	1110		1270	
Selenium	< 0.47	U	< 0.21	U	< 0.20	U	< 0.22	U	< 0.27	U
Silver	< 1.0	U	0.78	B	< 0.70	U	0.82	B	1.5	B
Sodium	< 28.5	U	24.4	B	105	B	94.5	B	73.4	B
Thallium	< 0.68	U	< 0.30	U	< 0.29	U	< 0.33	UJ	< 0.40	UJ
Vanadium	47.7		10.1		8.2	B	17.8		18.2	
Zinc	474	J	171	J	95.9	J	288		375	
Cyanide	< 0.97	UJ	< 0.56	UJ	< 0.54	UJ	< 0.58	UJ	< 0.89	UJ
Boron	< 29.0	U	< 14.7	U	< 19.9	U	< 19.6	U	< 19.7	U

Notes:

1. All concentrations are in milligrams per kilogram (mg/kg = parts per million (ppm)) except where noted.
2. U = Analyte was not detected.
3. J = Semi-quantitative value due to QA/QC data validation requirements.
4. B = Value is above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL).

TABLE 3 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF CATCH BASIN AND DRY WELL
RI ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS

Target Volatile Organic Compounds*	Bldg. 3		Bldg. 5			Bldg. 24				
	DW-3-1		DW-5-1		DW-5-2	DW-24-1	DW-24-2			
Tetrachloroethene	< 18	U	< 11	U	68000	J	< 13	U	< 100000	UJ

Volatile Organic TICs										
1,3-Butadiene, 1,1,2,3,4,4-	NF	NF	21000	NJ	NF	NF				
Naphthalene, Decahydro-	NF	NF	4100	NJ	NF	NF				
1,1,2-Trichloro-1,2,2-Trifluoroethane	NF	NF	NF		NF	NF			3000000	NJ
Unknown Cycloalkane	NF	NF	3800	J	NF	NF				
Unknown Dimethylcyclooctanes	NF	NF	18100	J	NF	NF				
Unknown Hydrocarbons	NF	NF	8900	J	NF	NF				
Unknown Terpenes	NF	NF	NF		58	J				
Unknown Trimethylcyclohexane	NF	NF	11000	J	NF	NF				
Assorted Unknowns	NF	NF	3500	J	NF	NF				

Notes:

1. All concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)) except where noted.
2. * = Only compounds that were detected in one or more samples are listed.
3. U = Analyte was not detected.
4. J = Semi-quantitative value due to QA/QC data validation requirements.
5. B = Compound was detected in associated method blank.
6. N = Compound was identified with a Chemical Abstracts Services (CAS) number.
7. NF = Compound not found on TIC list.

TABLE 3 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF CATCH BASIN AND DRY WELL
RI ANALYTICAL RESULTS
TARGET SEMI-VOLATILE ORGANIC COMPOUNDS

Target Semi-Volatile Organic Compounds*	Bldg. 3		Bldg. 5			Bldg. 24				
	DW-3-1		DW-5-1	DW-5-2		DW-24-1	DW-24-2			
Benzo (a) Anthracene	< 560	U	< 360	U	< 3800	U	79	J	84	J
Benzo (b) Fluoranthene	< 560	U	< 360	U	< 3800	U	97	J	< 520	UJ
Benzo (k) Fluoranthene	< 560	U	< 360	U	< 3800	U	45	J	< 520	UJ
Benzo (g,h,i) Perylene	< 560	U	< 360	U	< 3800	U	50	J	< 520	UJ
Benzo (a) Pyrene	< 560	U	< 360	U	< 3800	U	54	J	< 520	UJ
bis (2-Ethylhexyl) Phthalate	< 560	U	< 360	U	< 3800	U	1300	BJ	4100	BJ
Chrysene	< 560	U	< 360	U	< 3800	U	64	J	80	J
Di-n-Butylphthalate	< 560	U	140	J	< 3800	U	< 440	UJ	< 520	UJ
Fluoranthene	33	J	< 360	U	< 3800	U	110	J	130	J
Hexachlorobutadiene	< 560	U	34	J	14000		< 440	UJ	< 520	UJ
Indeno (1,2,3-cd) Pyrene	< 560	U	< 360	U	< 3800	U	36	J	< 520	UJ
2-Methylnaphthalene	< 560	U	< 360	U	< 3800	U	28	J	< 520	UJ
4-Methylphenol	< 560	U	< 360	U	< 3800	UJ	110	J	550	J
Phenanthrene	< 560	U	< 360	U	< 3800	U	54	J	< 520	UJ
Pyrene	< 560	U	27	J	< 3800	U	92	J	140	J

Notes:

1. All concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)).
2. * = Only compounds that were detected in one or more samples are listed.
3. U = Analyte was not detected.
4. J = Semi-quantitative value due to QA/QC data validation requirements.
5. B = Compound was detected in associated method blank.

TABLE 3 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF CATCH BASIN AND DRY WELL
RI ANALYTICAL RESULTS
TENTATIVELY IDENTIFIED SEMI-VOLATILE ORGANIC COMPOUNDS (TICs)

Semi-Volatile Organic TICs	Bldg. 3		Bldg. 5		Bldg. 24	
	DW-3-1		DW-5-1	DW-5-2	DW-24-1	DW-24-2
2H-1-Benzopyran-2-One	NF		270 NJ	NF	NF	NF
1,3-Butadiene, Pentachloro-	NF		NF	7600 NJ	NF	NF
Butane, Trichloroheptafluoro	NF		190 NJ	NF	NF	NF
Cyclohexane, 2-Butyl-1,1,3-	NF		NF	14000 NJ	NF	NF
Docosane	NF		NF	NF	470 NJ	1200 NJ
Eicosane	NF		NF	NF	NF	890 NJ
Heneicosane	NF		NF	NF	NF	1300 NJ
Heptacosane	1700 NJ		330 NJ	NF	950 NJ	1600 NJ
Heptadecane	NF		NF	NF	520 NJ	NF
Hexacosane	NF		NF	NF	NF	1700 NJ
Hexadecane, 2,6,10,14-Tetramethyl	NF		NF	NF	540 NJ	NF
Naphthalene, Decahydro-	NF		NF	7500 NJ	NF	NF
Naphthalene, Decahydro-2-Methyl	NF		NF	10000 NJ	NF	NF
Nonacosane	2100 NJ		710 NJ	NF	1300 NJ	2100 NJ
Octacosane	NF		NF	NF	NF	1700 NJ
Octadecane	NF		NF	NF	NF	1400 NJ
Pentacosane	880 NJ		170 NJ	NF	730 NJ	1600 NJ
Pentadecane	NF		NF	7700 NJ	NF	NF
Pentadecane, 2,6,10,14-Tetramethyl	NF		NF	NF	400 NJ	NF
Stigmast-4-En-3-One	900 NJ		NF	NF	NF	NF
Triacontane	NF		NF	NF	NF	1800 NJ
Tricosane	410 NJ		93 NJ	NF	NF	NF
Unknown Aliphatic Alcohol	NF		NF	22000 J	NF	NF
Unknown Aliphatic Aldehydes	6460 J		440 J	NF	NF	NF
Unknown Aliphatic Hydrocarbon	NF		NF	NF	390 J	NF
Unknown Aliphatic Ketones	210 J		NF	NF	NF	NF
Unknown Alkanes	NF		NF	NF	4260 J	3200 J
Unknown Alkoxyoxirane	330 J		NF	NF	NF	NF
Unknown C11-Alkanes	NF		NF	13100 J	NF	NF
Unknown C12-Alkanes	NF		NF	13000 J	NF	NF
Unknown C13-Alkanes	NF		220 J	38000 J	NF	NF
Unknown C13H26-Aliphatic Hydrocarbon	NF		NF	7900 J	NF	NF
Unknown C14-Alkanes	NF		410 J	43700 J	NF	NF
Unknown C14H28-Aliphatic Hydrocarbons	NF		100 J	15000 J	NF	NF
Unknown C15-Alkanes	NF		380 J	31000 J	NF	NF
Unknown C16-Alkane	NF		240 J	20000 J	NF	NF
Unknown C31-Alkane	1800 J		540 J	NF	800 J	NF
Unknown C33-Alkane	570 J		110 J	NF	NF	NF
Unknown C5-Alkylcyclohexane	NF		NF	7100 J	NF	NF
Unknown Chlorofluorocarbons	NF		280 J	NF	NF	NF
Unknown Cholestane Derivative	NF		NF	NF	330 J	NF
Unknown Heptachlorobiphenyl	280 J		NF	NF	NF	NF
Unknown Hexachlorohydrocarbon	NF		NF	10000 J	NF	NF
Unknown Methyldecahydronaphthalene	NF		NF	14000 J	NF	NF
Unknown Nonachlorobiphenyl	280 J		NF	NF	NF	NF
Unknown Octachlorobiphenyls	580 J		NF	NF	NF	NF
Unknown Phthalate	NF		NF	NF	260 J	NF
Unknown Polycyclic Hydrocarbons	NF		NF	NF	3260 J	12200 J
Unknown Polyterpene Derivative	NF		NF	NF	NF	840 J
Unknown Sitosterol	230 J		NF	NF	NF	NF
Assorted Unknowns	NF		NF	NF	450 J	NF

Notes:

1. All concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)).
2. J = Semi-quantitative value due to QA/QC data validation requirements.
3. N = Compound was identified with a Chemical Abstracts Services (CAS) number.
4. NF = Compound not found on TIC list.

TABLE 3 (cont'd)
MALTA ROCKET FUEL AREA SITE
SUMMARY OF CATCH BASIN AND DRY WELL
RI ANALYTICAL RESULTS
PESTICIDE/PCB COMPOUNDS

Pesticide/PCB Compounds*	Bldg. 3		SS-B3DW		SS-DUPEI3**		Bldg. 5		Bldg. 24	
	DW-3-1	U	NA	NA	NA	NA	DW-5-1	DW-5-2	DW-24-1	DW-24-2
4,4'-DDE	< 17	U	NA	NA	NA	NA	7.1	23	< 4.4	< 5.1
Endosulfan II	< 17	U	NA	NA	NA	NA	< 3.6	71	< 4.4	< 5.1
4,4'-DDT	< 17	U	NA	NA	NA	NA	7.5	70	< 4.4	< 5.1
alpha-Chlordane	< 8.5	U	NA	NA	NA	NA	< 1.8	< 9.9	4.3	< 2.6
Aroclor-1254	< 170	U	< 610	U	< 600	U	110	< 190	< 44	< 51
Aroclor-1260	15000	JNDC	< 610	U	< 600	U	170	210	110	160
Aroclor-1262	NA	NA	9200	J	2000	J	NA	NA	NA	NA
Aroclor-1268	NA	NA	9300	J	2300	J	NA	NA	NA	NA

Notes:

1. All concentrations are in micrograms per kilogram (ug/kg = parts per billion (ppb)).
2. * = Only compounds that were detected in one or more samples are listed.
3. U = Analyte was not detected.
4. J = Semi-quantitative value due to QA/QC data validation requirements.
5. N = >50% difference for detected concentrations between the two GC columns. The lower value is reported.
6. B = Compound was detected in associated method blank.
7. C = Compound identification was confirmed by GC/MS.
8. D = Analysis performed at a higher dilution factor.
9. NA = Not analyzed for.
10. ** = SS-DUPEI3 is a duplicate of SS-B3DW.

TABLE 4
SARATOGA COUNTY SANITATION DISTRICT NO. 1
TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
REGULATORY LEVELS

CONTAMINANT	REGULATORY LEVEL	
	PPM (mg/l)	PPB (ug/l)
Volatiles		
Benzene	0.5	500
Carbon Tetrachloride	0.5	500
Chlorobenzene	100.0	100,000
Chloroform	6.0	6,000
1,2-Dichloroethane	0.5	500
1,1-Dichloroethene	0.7	700
1,4-Dichlorobenzene	7.5	7,500
Methyl Ethyl Ketone	200.0	200,000
Tetrachloroethene	0.7	700
Trichloroethene	0.5	500
Vinyl Chloride	0.2	200
Acids		
o-Cresol	200.0*	200,000
m-Cresol	200.0*	200,000
p-Cresol	200.0*	200,000
Cresol (total)	200.0*	200,000
Pentachlorophenol	100.0	100,000
2,4,5-Trichlorophenol	400.0	400,000
2,4,6-Trichlorophenol	2.0	2,000
Base Neutrals		
2,4-Dinitrotoluene	0.13**	130
Hexachlorobenzene	0.13**	130
Hexachloro-1,3-butadiene	0.5	500
Hexachloroethane	3.0	3,000
Nitrobenzene	2.0	2,000
Pyridine	5.0**	5,000
Pesticides/Herbicides		
Chlordane	0.03	30
Endrin	0.02	20
Heptachlor	0.008	8
Heptachlor Epoxide	0.008	8
Lindane	0.4	400
Methoxychlor	10.0	10,000
Toxaphene	0.5	500
2,4-D	10.0	10,000
2,4,5-TP (Silvex)	1.0	1,000
Metals		
Arsenic	5.0	5,000
Barium	100.0	100,000
Cadmium	1.0	1,000
Chromium	5.0	5,000
Lead	5.0	5,000
Mercury	0.2	200
Selenium	1.0	1,000
Silver	5.0	5,000

* If the o-, m-, and p-Cresol concentration can not be differentiated, the total Cresol concentration is used.

** The quantitation limit (i.e. 5 times the detection limit) is greater than the calculated regulatory level; therefore the quantitation limit becomes the regulatory level.

TABLE 5
1995 SEPTIC TANK ANALYTICAL RESULTS
MALTA ROCKET FUEL AREA SITE

Analyte Detected Above TCLP Regulatory Level in 7/24/95 TCLP Liquid Composite Sample	Concentration
Barium	0.01 mg/l
PCBs	2.4 ug/l

Analyte Detected Above TCLP Regulatory Level in 8/17/95 TCLP Liquid Grab Samples	Concentration				
	Bldg. 13	Bldg. 17	Bldg. 20 old	Bldg. 20 new	Bldg. 25
PCBs	<0.5 ug/l	<0.5 ug/l	<0.5 ug/l	<0.5 ug/l	<0.5 ug/l
					<0.5 ug/l

Analyte Detected Above TCLP Regulatory Level in 8/31/95 TCLP Sludge Grab Samples	Concentration				
	Bldg. 13	Bldg. 17	Bldg. 20 old	Bldg. 20 new	Bldg. 25
PCBs	5.1 ug/g	Not Sampled ²	<1 ug/g	<1 ug/g	<1 ug/g
					<1 ug/g

NA - Not analyzed.

¹ PCBs were re-analyzed for each septic tank in order to determine which septic tank contained PCBs.

Barium was not re-analyzed because its concentration levels were acceptable for disposal at the POTW.

² No sludge was present in Bldg. 17 septic tank.

TABLE 6

**INTERMEDIA COMPARISON - - INORGANIC ANALYTES
SEPTIC TANK ANALYTICAL RESULTS COMPARED WITH GROUND WATER AND SOIL ANALYTICAL RESULTS
MALTA ROCKET FUEL AREA SITE**

Septic Tank	Inorganic Analytes Detected in 1992 Liquid Septic Tank RI Sampling	Inorganic Analytes Detected in July 1995 TCLP Liquid Septic Tank Composite Sample	Nearby Wells	Filtered Inorganic Analytes Detected Above MRFA Comparative Criteria ² in Associated Wells ³	Inorganic Analytes Detected Above MRFA Comparative Criteria in Septic Tank That Were Also Detected Above MRFA Comparative Criteria in Associated Wells	Boring Associated With Septic Tank	Inorganic Analytes Detected Above MRFA Comparative Criteria in Associated Boring ³	Inorganic Analytes Detected Above MRFA Comparative Criteria in Septic Tank That Were Also Detected Above MRFA Comparative Criteria in Associated Boring
Bldg. 13	Aluminum, Arsenic, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Vanadium, Zinc, Cyanide, and Boron	Barium ¹	M-23/1D, 3S/3D	Calcium	None	S-11	None	None
Bldg. 17	Aluminum, Arsenic, Barium, Calcium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Sodium, Zinc, and Boron		3S/3D	Calcium	None	S-6	None	None
Bldg. 20 (old)	Aluminum, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Sodium, Vanadium, and Zinc		M-28S/28D	Antimony, Cadmium, Iron, Zinc	Iron	S-58	None	None
Bldg. 20 (new)	Aluminum, Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Sodium, and Zinc		M-28S/28D	Antimony, Cadmium, Iron, Zinc	Iron	S-56	None	None

¹ Barium was detected in a composite sample of the septic tanks containing liquid. Barium may or may not be present in each individual septic tank.

² MRFA Comparative Criteria are site-specific concentrations which represent a level of environmental quality above which further characterization may be warranted. These Criteria were derived from 1) maximum background concentrations, 2) available regulatory standards, guidance values, and criteria, and 3) health-based criteria. Their development is described in the Proposed Sampling Program to Establish the Extent of Contamination dated 13 January 1994 (ERM-Northeast, Inc., 1994).

³ The analytical data for the wells and borings are provided in the RI Report (ERM-Northeast, Inc., 1995).

⁴ Cadmium was only detected above MRFA Comparative Criteria in monitoring well M-28S. Cadmium was detected in this well at a concentration of 19 ug/l in June 1992, but it was not detected in this well in November 1992.

⁵ No MRFA Comparative Criteria for septic tank sludge.

TABLE 6

**INTERMEDIA COMPARISON -- INORGANIC ANALYTES
SEPTIC TANK ANALYTICAL RESULTS COMPARED WITH GROUND WATER AND SOIL ANALYTICAL RESULTS
MALTA ROCKET FUEL AREA SITE**

Septic Tank	Inorganic Analytes Detected in 1992 Liquid Septic Tank RI Sampling	Inorganic Analytes Detected in July 1995 TCLP Liquid Septic Tank Composite Sample	Nearby Wells	Filtered Inorganic Analytes Detected Above MRFA Comparative Criteria ² in Associated Wells ³	Inorganic Analytes Detected Above MRFA Comparative Criteria in Septic Tank That Were Also Detected Above MRFA Comparative Criteria in Associated Wells	Boring Associated With Septic Tank	Inorganic Analytes Detected Above MRFA Comparative Criteria in Associated Boring ³	Inorganic Analytes Detected Above MRFA Comparative Criteria in Septic Tank That Were Also Detected Above MRFA Comparative Criteria in Associated Boring
Bldg. 25	Aluminum, Arsenic, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Vanadium, and Zinc	Barium ¹	M-26S/26D, M-28S/28D	Antimony, Cadmium, Calcium, Iron, Zinc	Iron, Cadmium ⁴	S-80	None	None
GE/Exxon	Aluminum, Barium, Calcium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Sodium, and Zinc		M-20, M-22	Calcium	None	S-99	None	None
Bldg. 14 (sludge) ⁵	Aluminum, Arsenic, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Vanadium, and Zinc	Not Sampled	3S/3D, 10D	Calcium	Calcium ³	S-112	None	None

¹ Barium was detected in a composite sample of the septic tanks containing liquid. Barium may or may not be present in each individual septic tank.

² MRFA Comparative Criteria are site-specific concentrations which represent a level of environmental quality above which further characterization may be warranted. These Criteria were derived from 1) maximum background concentrations, 2) available regulatory standards, guidance values, and criteria, and 3) health-based criteria. Their development is described in the Proposed Sampling Program to Establish the Extent of Contamination dated 13 January 1994 (ERM-Northeast, Inc., 1994).

³ The analytical data for the wells and borings are provided in the RI Report (ERM-Northeast, Inc., 1995).

⁴ Cadmium was only detected above MRFA Comparative Criteria in monitoring well M-28S. Cadmium was detected in this well at a concentration of 19 ug/l in June 1992, but it was not detected in this well in November 1992.

⁵ No MRFA Comparative Criteria for septic tank sludge.

TABLE 7
INTERMEDIA COMPARISON . . . ORGANIC COMPOUNDS
SEPTIC TANK ANALYTICAL RESULTS COMPARED WITH GROUND WATER AND SOIL ANALYTICAL RESULTS
MALTA ROCKET FUEL AREA SITE

Septic Tank	Target Organic Compounds Detected in 1992 Liquid Septic Tank RI Sampling	PCBs Detected in August 1995 Septic Tank Liquid Sampling	PCBs Detected in August 1995 Septic Tank Sludge Sampling	Nearby Wells	Target Organic Compounds Detected in Associated Wells ³	Target Organic Compounds Detected in Septic Tank That Were Also Detected Above the MRFA Comparative Criteria in Associated Wells	Boring Associated With Septic Tank	Target Organic Compounds Detected in Associated Boring ³	Target Organic Compounds Detected in Septic Tank That Were Also Detected Above the MRFA Comparative Criteria in Associated Boring
Bldg. 13	Vinyl Chloride, Acetone, 1,2-Dichloroethene (total), Toluene, Butylbenzylphthalate, 1,4-Dichlorobenzene, Diethylphthalate, 4-Methylphenol, Phenol, Aroclor-1254	No	Yes	M-23/1D, 3S/3D	Carbon Tetrachloride, TCE, Chloroform, Tetrachloroethene, Trichlorofluoromethane, bis (2-Ethylhexyl) Phthalate, Diethylphthalate	None	S-11	None	None
Bldg. 17	Acetone, 2-Butanone, Toluene, 4-Methylphenol	No	Not Sampled (no sludge)	3S/3D	Carbon Tetrachloride, TCE, Chloroform, Tetrachloroethene, Diethylphthalate	None	S-6	None	None
Bldg. 20 (old)	Acenaphthene, 1,4-Dichlorobenzene, Diethylphthalate	No	No	M-28S/28D	Carbon Tetrachloride, TCE, Chloroform, Trichlorofluoromethane, 1,1-Dichloroethene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, 1,1,1-Trichloroethane	None	S-58	None	None
Bldg. 20 (new)	Acetone, Toluene, 1,4-Dichlorobenzene, 4-Methylphenol, Phenol	No	No	M-28S/28D	Carbon Tetrachloride, TCE, Chloroform, Trichlorofluoromethane, 1,1-Dichloroethene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, 1,1,1-Trichloroethane	None	S-56	None	None
Bldg. 25	1,2-Dichloroethene (total), Toluene, Acenaphthene, Dibenzofuran, 1,4-Dichlorobenzene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene, Aroclor-1254, Aroclor-1260	No	No	M-26S/26D, M-28S/28D	Carbon Tetrachloride, TCE, Chloroform, Trichlorofluoromethane, 1,1-Dichloroethene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, 1,1,1-Trichloroethane, Di-n-butylphthalate	None	S-80	Phenol	None
GE/Exxon	Acetone, 2-Butanone, Toluene, Ethylbenzene, Xylene (total), 4-Methylphenol, Phenol	No	No	M-20, M-22	Carbon Tetrachloride, bis (2-Ethylhexyl) Phthalate, Di-n-butylphthalate	None	S-99	None	None
Bldg. 14 (sludge) ¹	Methylene Chloride, Acetone, 2-Butanone, Ethylbenzene, Xylene (total), bis (2-Ethylhexyl) Phthalate, 1,4-Dichlorobenzene, Fluoranthene, Fluorene, 2-Methylnaphthalene, Phenanthrene, Pyrene, 4,4'-DDD, 4,4'-DDE, Aroclor-1254, Aroclor-1260	Not Sampled	Not Sampled	3S/3D, 10D	Carbon Tetrachloride, TCE, Chloroform, Tetrachloroethene, Di-n-butylphthalate, Diethylphthalate	None	S-112	Di-n-butylphthalate ⁴	None

Bold indicates compound was above MRFA Comparative Criteria

¹ No MRFA Comparative Criteria for septic tank sludge.

² MRFA Comparative Criteria are site-specific concentrations which represent a level of environmental quality above which further characterization may be warranted. These Criteria were derived from 1) maximum background concentrations, 2) available regulatory standards, guidance values, and criteria, and 3) health-based criteria. Their development is described in the Proposed Sampling Program to Establish the Extent of Contamination dated 13 January 1994 (ERM-Northeast, Inc., 1994).

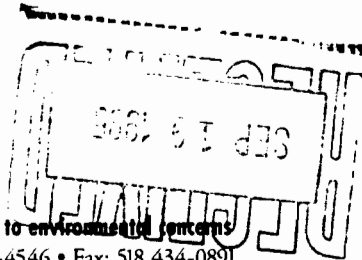
³ The analytical data for the wells and borings are provided in the RI Report (ERM-Northeast, Inc., 1995).

⁴ Di-n-butylphthalate was detected at an estimated concentration of 40 ug/kg, which is well below the MRFA Comparative Criteria of 8,100 ug/kg.

ATTACHMENT A
SEPTIC TANK LABORATORY SAMPLING

ATTACHMENT A1

***SEPTIC TANK LIQUID COMPOSITE
SAMPLE ANALYTICAL RESULTS***



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314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

LABORATORY REPORT

for

ERM Northeast
501 New Karner Road
Suite 7
Albany, NY 12205

Attention: Dave Myers

Updated Report

Report date: 09/15/95
Number of samples analyzed: 2
AES Project ID: 950724 T
Invoice #: 153689



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314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

CLIENT: ERM Northeast

CLIENT'S SAMPLE ID: SEPT-COMP

AES sample #: 950724AEO1

Date Sampled: 07/24/95

Date sample received: 07/24/95

Samples taken by: Beeker/Bryant Location: MRFA/Malta, NY

MATRIX: Liquid Waste composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	2.4	ug/l	KF-PCB-R-9	07/31/95

APPROVED BY: Tara Davis
Report date: 09/15/95



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CLIENT: ERM Northeast

CLIENT'S SAMPLE ID: SEPT-COMP

AES sample #: 950724 TO2

Date Sampled: 07/24/95

Date sample received: 07/24/95

Samples taken by: Beeker/Bryant Location: MRFA/Malta, NY
MATRIX: Liquid Waste composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-BA-6	07/27/95
Benzene - TCLP Extract	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
Carbon Tetrachloride-TCLP Ext.	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
Chlorobenzene-TCLP Extract	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
Chloroform-TCLP Extract	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
1,2-Dichloroethane-TCLP Ext.	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
1,1-Dichloroethene-TCLP Ext.	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
Methyl Ethyl Ketone-TCLP Ext.	EPA-8240	<170	ug/l	MG-BA-6	07/27/95
Tetrachlorethylene-TCLP Ext.	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
Trichloroethylene-TCLP Extract	EPA-8240	<85	ug/l	MG-BA-6	07/27/95
Vinyl Chloride-TCLP Extraction	EPA-8240	<170	ug/l	MG-BA-6	07/27/95
TCLP Extraction	EPA-1311	Complete		MT-AZ-44	07/25/95
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95



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CLIENT: ERM Northeast

CLIENT'S SAMPLE ID: SEPT-COMP

AES sample #: 950724 TO2

Samples taken by: Beeker/Bryant

MATRIX: Liquid Waste

Date Sampled: 07/24/95

Date sample received: 07/24/95

Location: MRFA/Malta, NY

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-AZ-44	07/31/95
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-AZ-44	07/31/95
Chlordane -TCLP Extract	EPA-8080	<0.005	mg/l	SO-TG-B25	07/28/95
Endrin-TCLP Extract	EPA-8080	<0.005	mg/l	SO-TG-B25	07/28/95
Heptachlor-TCLP Extract	EPA-8080	<0.005	mg/l	SO-TG-B25	07/28/95
Heptachlor Epoxide-TCLP Ext.	EPA-8080	<0.005	mg/l	SO-TG-B25	07/28/95
Lindane-TCLP Extract	EPA-8080	<0.005	mg/l	SO-TG-B25	07/28/95
Methoxychlor-TCLP Extract	EPA-8080	<0.05	mg/l	SO-TG-B25	07/28/95
Toxaphene-TCLP Extract	EPA-8080	<0.05	mg/l	SO-TG-B25	07/28/95
2,4-D TCLP Extract	EPA-8150	<2	mg/l	KS-TG-B25	08/01/95
2,4,5-TP (Silvex)-TCLP Extract	EPA-8150	<0.2	mg/l	KS-TG-B25	08/01/95
Arsenic-TCLP Extract	EPA-6010	<0.5	mg/l	BS-I-2G-6	08/07/95
Barium-TCLP Extract	EPA-6010	0.01	mg/l	BS-I-2G-6	08/07/95
Cadmium-TCLP Extract	EPA-6010	<0.01	mg/l	BS-I-2G-6	08/07/95
Chromium-TCLP Extract	EPA-6010	<0.05	mg/l	BS-I-2G-6	08/07/95
Lead-TCLP Extract	EPA-6010	<0.5	mg/l	BS-I-2G-6	08/07/95
Mercury-TCLP Extract	EPA-7470	<0.02	mg/l	CG-PSG-53	08/07/95
Selenium-TCLP Extract	EPA-6010	<0.1	mg/l	BS-I-2G-6	08/07/95
Silver-TCLP Extraction	EPA-6010	<0.02	mg/l	BS-I-2G-6	08/07/95

APPROVED BY: *Lara Daniel*

Report date: 09/15/95

ATTACHMENT A2

***SEPTIC TANK LIQUID GRAB SAMPLE
PCB ANALYTICAL RESULTS***



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314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

CLIENT: Enviro-Clean

Samples taken by: Myers/Bell

Location: Malta, NY

MATRIX: Wastewater

Date Sampled: 08/17/95

Date sample received: 08/17/95

Grab

PARAMETER	<u>YOUR SAMP ID-></u>	Building 13 Sep	Building 25 Sep	Building 17 Sep	Building 20W Se	Building 20E Se	NOTEBOOK	TEST
PERFORMED	<u>ASS NUMBER-></u>	950817AI01	950817AI02	950817AI03	950817AI04	950817AI05	REFERENCE	DATE
PCE		<0.5	<0.5	<0.5	<0.5	<0.5	K7-PCB-R169/18/95	

The above results were obtained using method EPA-608
and the results are expressed in ug/l



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CLIENT: Enviro-Clean
Samples taken by: Myers/Bell
Location: Malta, NY MATRIX: Wastewater

Date Sampled: 08/17/95
Date sample received: 08/17/95
Grab

PARAMETER	<u>YOUR SAMPLE ID-></u>	GE/Exxon So. Se	GE/Exxon No. Se
PERFORMED	<u>AES NUMBER-></u>	950817A106	950817A107
PCB		<0.5	<0.5

NOTEBOOK TEST
REFERENCE DATE

37-PCB-R103/18/95

The above results were obtained using method EPA-608
and the results are expressed in ug/l

APPROVED BY: *Sara Bell*
Report date: 08/21/95

ATTACHMENT A3

***SEPTIC TANK SLUDGE GRAB SAMPLE
PCB ANALYTICAL RESULTS***



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LABORATORY REPORT

for

Enviro-Clean
Suite 7
501 New Karner Road
Albany, NY 12205

Attention: David Myers

Purchase Order #: EC 132.007

Report date: 09/08/95

Number of samples analyzed: 7

AES Project ID: 950831AA

Invoice #: 154373

SEP 11 1995

ELAP ID#: 10709

AIHA ID#: 12144-001
Page 1



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CLIENT: Enviro-Clean

CLIENT'S SAMPLE ID: GE/Exxon North Sludg

AES sample #: 950831AA01

Samples taken by: David Myers

MATRIX: Sediment

Date Sampled: 08/31/95

Date sample received: 08/31/95

Location: Malta
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	KF-PCB-R23	09/05/95



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CLIENT: Enviro-Clean

CLIENT'S SAMPLE ID: GE/Exxon South Sludge

AES sample #: 950831AA02

Samples taken by: David Myers

MATRIX: Sediment

Date Sampled: 08/31/95

Date sample received: 08/31/95

Location: Malta

composite

<u>PARAMETER</u>	<u>PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB		EPA-8080	<1	ug/g	KF-PCB-R23	09/05/95



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CLIENT: Enviro-Clean
CLIENT'S SAMPLE ID: Bldg 17 Sludge
AES sample #: 950831AA03
Date Sampled: 08/31/95
Date sample received: 08/31/95
Samples taken by: David Myers
Location: Malta
MATRIX: Sediment
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
No Sample		No	Sample	CLIENT	08/31/95



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CLIENT: Enviro-Clean

CLIENT'S SAMPLE ID: Bldg 20 West Sludge

AES sample #: 950831AA04

Samples taken by: David Myers

MATRIX: Sediment

Date Sampled: 08/31/95

Date sample received: 08/31/95

Location: Malta
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	KF-PCB-R23	09/05/95



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CLIENT: Enviro-Clean

Date Sampled: 08/31/95

CLIENT'S SAMPLE ID: Bldg 20 East Sludge

Date sample received: 08/31/95

AES sample #: 950831AA05

Samples taken by: David Myers

Location: Malta

MATRIX: Sediment

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	KF-PCB-R23	09/05/95



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CLIENT: Enviro-Clean

CLIENT'S SAMPLE ID: Bldg 25 Sludge

AES sample #: 950831AA06

Date Sampled: 08/31/95

Date sample received: 08/31/95

Samples taken by: David Myers Location: Malta

MATRIX: Sediment

composite

<u>PARAMETER</u>	<u>PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK</u>	<u>REF</u>	<u>TEST</u>	<u>DATE</u>
PCB		EPA-8080	<1	ug/g	KF-PCB-R23		09/05/95	



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CLIENT: Enviro-Clean

CLIENT'S SAMPLE ID: Bldg 13 Sludge

AES sample #: 950831AA07

Date Sampled: 08/31/95

Date sample received: 08/31/95

Samples taken by: David Myers

Location: Malta

MATRIX: Sediment

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	5.1	ug/g	KF-PCB-R23	09/05/95

APPROVED BY: Tara [Signature]
Report date: 09/08/95

ATTACHMENT A4

***BUILDING 14 SEPTIC TANK SLUDGE
FECAL COLIFORM ANALYTICAL RESULTS***



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LABORATORY REPORT

for

ERM Northeast
501 New Karner Road
Suite 7
Albany, NY 12205

Attention: Dave Myers

Report date: 09/15/95
Number of samples analyzed: 1
AES Project ID: 950724AB
Invoice #: 154016



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314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

CLIENT: ERM Northeast

Date Sampled: 07/24/95

CLIENT'S SAMPLE ID: B14 - Sludge

Date sample received: 07/24/95

AES sample #: 950724 T01

Samples taken by: Beeker/Bryant Location: MRFA/Malta, NY
MATRIX: Sludge grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fecal Coliform	SM-909.C	<1	fc/g	NEB 11:08	07/24/95

ATTACHMENT A5

***BUILDING 24 CATCH BASIN WATER
ANALYTICAL RESULTS***



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (203) 645-1102 Fax (203) 645-0823

October 20, 1995

ERM-Enviro Clean NE
501 New Karner Road
Albany, NY 12205

Attn Mr David W Myers

Sample I.D.# AA79744 & AA79746

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, Handbook for Analytical Quality Control in Water and Waste Water, March 1979, and SW846 QA/QC requirements of procedures used.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

John M. Schreiber
Laboratory Director

CT Lab. Registration #PH-0618
MA Lab. Registration #CT-007
NY Lab. Registration #11301
RI Lab. Registration #63
NH Lab. Registration #213693-A,B
ME Lab. Registration #CT007



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (203) 645-1102 Fax (203) 645-0823

Analysis Report

October 19, 1995

FOR: Attn: Mr David W. Myers
ERM- Enviro Clean NE
501 New Karner Road
Suite 7
Albany NY 12205

Sample Information

Matrix: LIQUID
Location Code: ERM
Project Code:
P.O. #: EC132007

Custody Information

Collected by: DAVID MYERS
Received by: AR
Validated by: BP
Analyzed by: see below

Date

10/13/95
10/14/95
10/18/95

Time

11:05
11:00

Laboratory Data

Page 1 of 2

Client ID: MALTA-SEPTIC DW/CB DW-24-1

Phoenix I.D.: AA79744

Parameter	Result	MDL	Units	Date	by	Reference
***** Volatiles *****						
Acetone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Benzene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Bromodichloromethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Bromoform	ND	5.0	ug/L	10/15/95	AM	SW 8240
Bromomethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
2-Butanone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Carbon Disulfide	ND	5.0	ug/L	10/15/95	AM	SW 8240
Carbon Tetrachloride	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chlorobenzene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chlorodibromomethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chloroform	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chloromethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1-Dichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,2-Dichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1-Dichloroethylene	ND	5.0	ug/L	10/15/95	AM	SW 8240
cis-1,2-Dichloroethene	ND	5.0	ug/L	10/15/95	AM	SW 8240
trans-1,2-Dichloroethene	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,2-Dichloropropane	ND	5.0	ug/L	10/15/95	AM	SW 8240
cis-1,3-Dichloropropene	ND	5.0	ug/L	10/15/95	AM	SW 8240
trans-1,3-Dichloropropene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Ethyl benzene	ND	5.0	ug/L	10/15/95	AM	SW 8240
2-Hexanone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Methylene chloride	ND	5.0	ug/L	10/15/95	AM	SW 8240
4-Methyl-2-pentanone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Styrene	ND	5.0	ug/L	10/15/95	AM	SW 8240

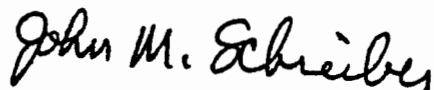
Continued next page . . .

Parameter	Result	MDL	Units	Date	by	Reference
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Tetrachloroethylene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Toluene	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1,1-Trichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1,2-Trichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Trichloroethylene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Trichlorofluoromethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,2,3-Trichloropropane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Vinyl Acetate	ND	5.0	ug/L	10/15/95	AM	SW 8240
Vinyl Chloride	ND	5.0	ug/L	10/15/95	AM	SW 8240
Xylenes, total	ND	5.0	ug/L	10/15/95	AM	SW 8240
Freon (113)	9.0	5.0	ug/L	10/15/95	AM	SW 8240

Comments

ND = Not detected MDL = Minimum Detectable Level BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



John M. Schreiber, Laboratory Director
October 19, 1995



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (203) 645-1102 Fax (203) 645-0823

Analysis Report

October 19, 1995

FOR: Attn: Mr David W. Myers
ERM- Enviro Clean NE
501 New Karner Road
Suite 7
Albany NY 12205

Sample Information

Matrix: LIQUID
Location Code: ERM
Project Code:
P.O. #: EC132007

Custody Information

Collected by: DAVID MYERS
Received by: AR
Validated by: BP
Analyzed by: see below

Date

10/13/95
10/14/95
10/18/95

Time

11:15
11:00

Laboratory Data

Page 1 of 2

Client ID: MALTA-SEPTIC DW/CB DW-24-2

Phoenix I.D.: AA79745

Parameter	Result	MDL	Units	Date	by	Reference
***** Volatiles *****						
Acetone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Benzene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Bromodichloromethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Bromoform	ND	5.0	ug/L	10/15/95	AM	SW 8240
Bromomethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
2-Butanone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Carbon Disulfide	ND	5.0	ug/L	10/15/95	AM	SW 8240
Carbon Tetrachloride	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chlorobenzene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chlorodibromomethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chloroform	ND	5.0	ug/L	10/15/95	AM	SW 8240
Chloromethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1-Dichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,2-Dichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1-Dichloroethylene	ND	5.0	ug/L	10/15/95	AM	SW 8240
cis-1,2-Dichloroethene	ND	5.0	ug/L	10/15/95	AM	SW 8240
trans-1,2-Dichloroethene	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,2-Dichloropropane	ND	5.0	ug/L	10/15/95	AM	SW 8240
cis-1,3-Dichloropropene	ND	5.0	ug/L	10/15/95	AM	SW 8240
trans-1,3-Dichloropropene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Ethyl benzene	ND	5.0	ug/L	10/15/95	AM	SW 8240
2-Hexanone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Ethylene chloride	ND	5.0	ug/L	10/15/95	AM	SW 8240
4-Methyl-2-pentanone	ND	5.0	ug/L	10/15/95	AM	SW 8240
Styrene	ND	5.0	ug/L	10/15/95	AM	SW 8240

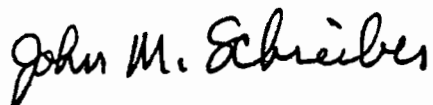
Continued next page . . .

Parameter	Result	MDL	Units	Date	by	Reference
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Tetrachloroethylene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Toluene	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1,1-Trichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,1,2-Trichloroethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Trichloroethylene	ND	5.0	ug/L	10/15/95	AM	SW 8240
Trichlorofluoromethane	ND	5.0	ug/L	10/15/95	AM	SW 8240
1,2,3-Trichloropropane	ND	5.0	ug/L	10/15/95	AM	SW 8240
Vinyl Acetate	ND	5.0	ug/L	10/15/95	AM	SW 8240
Vinyl Chloride	ND	5.0	ug/L	10/15/95	AM	SW 8240
Xylenes, total	ND	5.0	ug/L	10/15/95	AM	SW 8240
Freon (113)	11	5.0	ug/L	10/15/95	AM	SW 8240

Comments

ND = Not detected MDL = Minimum Detectable Level BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



John M. Schreiber, Laboratory Director
October 19, 1995

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

October 20, 1995

To: Attn: Mr David W. Myers
ERM- Enviro Clean NE
501 New Karner Road
Suite 7
Albany NY 12205

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA79746 Location code: ERM
Location Description: MALTA-SEPTIC DW/CB QC79744-45
Sample collector: DAVID MYERS
Sample collection date: 10/13/95 Time: 11:15
Lab submittal date: 10/14/95 Time: 11:00
MATRIX: LIQUID

Parameter	Result	Units	MDL
Volatiles (MS) Analysis QC	see below	---	---

Data for Volatiles (MS) Analysis QC:

Analyte	Matrix Spike (%Rec)	Matrix Spike Dup (%Rec)	Relative %Diff (%D)
Benzene	116	114	2
Chlorobenzene	111	109	2
1,1-Dichloroethylene	94	92	2
Toluene	109	108	1
Trichloroethylene	111	104	7

No analytes were detected in the applicable method blanks above the stated detection limits with the following exceptions:

(NONE)

If there are any questions regarding this data, please call:

John M. Schreiber
John M. Schreiber
Laboratory Director



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040

Tel. (203) 645-1102

Fax (203) 645-0823

October 30, 1995

ERM-Clean NE
501 New Karner Road
Suite 7
Albany NY 12205

Attn: Mr. David W Myers

Sample ID # AA80510 To AA80511

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, Handbook for Analytical Quality Control in Water and Waste Water, March 1979, and SW846 QA/QC requirements of procedures used.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

John M. Schreiber
Laboratory Director

CT Lab. Registration #PH-0618
MA Lab. Registration #CT-007
NY Lab. Registration #11301
RI Lab. Registration #63
NH Lab. Registration #213693-A, B
ME Lab. Registration #CT007



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040

Tel. (203) 645-1102 Fax (203) 645-0823

Analysis Report

October 30, 1995

FOR: Attn: Mr. David W. Myers
ERM- Enviro Clean NE
501 New Karner Road
Suite 7
Albany NY 12205

Sample Information

Matrix: LIQUID
Location Code: ERM
Project Code:
P.O. #: 132.007

Custody Information

Collected by: David W. Myers
Received by: AR
Validated by: BP
Analyzed by: see below

Date

10/23/95
10/24/95
10/27/95

Time

13:45
11:45

Laboratory Data

Page 1 of 1

Client ID: MAHA ROCKET FUELS DW-24-1+2

Phoenix I.D.: AA80510

Parameter	Result	MDL	Units	Date	by	Reference
Sep. Funnel for PCB	Completed			10/25/95		sw846-3510

*****	Polychlorinated Biphenyls	*****	0					
PCB-1016	ND	3.0	ug/L	10/26/95	RM	SW	8080	
PCB-1221	ND	3.0	ug/L	10/26/95	RM	SW	8080	
PCB-1232	ND	3.0	ug/L	10/26/95	RM	SW	8080	
PCB-1242	ND	3.0	ug/L	10/26/95	RM	SW	8080	
PCB-1248	ND	3.0	ug/L	10/26/95	RM	SW	8080	
PCB-1254	ND	3.0	ug/L	10/26/95	RM	SW	8080	
PCB-1260	ND	3.0	ug/L	10/26/95	RM	SW	8080	

Comments

ND = Not detected MDL = Minimum Detectable Level BDL = Below Detection Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

John M. Schreiber

John M. Schreiber, Laboratory Director

October 30, 1995

From: Phoenix Environmental Laboratories Inc.
587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

October 30, 1995

To: Attn: Mr. David W. Myers
ERM- Enviro Clean NE
501 New Karner Road
Suite 7
Albany NY 12205

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA80511 Location code: ERM
Project account code: 132.007
Location Description: MAHA ROCKET FUELS QC80510
Sample collection date: 10/23/95 Time: 13:45
Lab submittal date: 10/24/95 Time: 11:45
MATRIX: LIQUID

Parameter	Result	Units	MDL
Polychlorinated Biph QC	see below	---	---

Data for Polychlorinated Biph QC:

Analyte	QC Blank ppb	Sample Conc. ppb	Spike Conc. ppb	QC Matrix Spike %Rec.	QC Matrix dup Spike %Rec.	QC RPD %
Sample ID#						
PCB-1016	ND					
PCB-1221	ND					
PCB-1232	ND					
PCB-1242	ND					
PCB-1248	ND					
PCB-1254	ND					
PCB-1260	ND			119%	109.0%	8.8%

If there are any questions regarding this data, please call.

John M. Schreiber

John M. Schreiber
Laboratory Director

ATTACHMENT B
NON-HAZARDOUS SEPTAGE BILLS OF LADEN

E.M. STONE SEPTIC TANK SERVICE
 SARATOGA 584-1048
 GLENS FALLS 792-7509
 ALBANY 463-5426

SOLD BY	Pat	DATE	10/13/95
NAME	ERM Enviro Clean North East		
ADDRESS	51 Newkome Rd Albany NY		
CASH	C.O.D.	CHARGE	ON ACCT.
Pumped tanks			
Pump Tank #20 West			
CCLS 2000 Gallons			
Locating & Digging			
Extra Hose			
Tax			
RECEIVED BY	David W. Myers		

8575

Thank You

All claims and returned goods MUST be accompanied by this bill.

E.M. STONE SEPTIC TANK SERVICE
 SARATOGA 584-1048
 GLENS FALLS 792-7509
 ALBANY 463-5426

SOLD BY	Pat	DATE	10/13/95
NAME	ERM Enviro Clean North East		
ADDRESS			
CASH	C.O.D.	CHARGE	ON ACCT.
Pumped tanks			
2000 Gallons			
Pump Tank #20 West			
CCLS			
Locating & Digging #20 EAST			
Extra Hose			
Tax			
RECEIVED BY	David W. Myers		

8576

Thank You

All claims and returned goods MUST be accompanied by this bill.

E.M. STONE SEPTIC TANK SERVICE
 SARATOGA 584-1048
 GLENS FALLS 792-7509
 ALBANY 463-5426

SOLD BY	Pat	DATE	10/13/95
NAME	ERM Enviro Clean North East		
ADDRESS			
CASH	C.O.D.	CHARGE	ON ACCT.
Pumped tanks			
2000 Gallons			
Pump Tank #20 east			
CCLS #25			
Locating & Digging			
Extra Hose - Enviro South			
Tax			
RECEIVED BY	David W. Myers		

8577

Thank You

All claims and returned goods MUST be accompanied by this bill.

E.M. STONE SEPTIC TANK SERVICE
 SARATOGA 584-1048
 GLENS FALLS 792-7509
 ALBANY 463-5426

SOLD BY	Pat	DATE	10/13/95
NAME	ERM Enviro Clean North East		
ADDRESS			
CASH	C.O.D.	CHARGE	ON ACCT.
Pumped tanks			
2000 Gallons			
Pump Tank			
CCLS Enviro South + North			
Locating & Digging			
Extra Hose			
Tax			
RECEIVED BY	David W. Myers		

8578

Thank You

All claims and returned goods MUST be accompanied by this bill.

ATTACHMENT C
BUILDING 13 MANIFEST DOCUMENTATION



STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) (Form designed for use on elite (12-pitch) typewriter)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No		Manifest Document No		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but may be required by State law					
3. Generator's Name and Mailing Address TITAN CORP. 10000 ROUTE 1 FIVE CT. HARTFORD, CT 06106						A. State Manifest Document Number CT F0461830							
4. Generator's Phone () 422-1110						B. G.S.I. (Gen. Site Address) SAME							
5. Transporter 1 Company Name UNITED EXP. CO.			6. US EPA ID Number			C. S.T.I. (Trans. Lic. Plate #) CTS-375							
7. Transporter 2 Company Name			8. US EPA ID Number										
9. Designated Facility Name and Site Address TITAN CORP. 10000 ROUTE 1 FIVE CT. HARTFORD, CT 06106						10. US EPA ID Number							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
						a. 3.0 1 T		1969		EPA NONE		STATE CT	
						b.				EPA STATE		STATE	
						c.				EPA STATE		STATE	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above		Interim Final Interim Final		a. b. c. d.			
15. Special Handling Instructions and Additional Information						Point of Departure:							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR , if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name				Signature				Month Day Year					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name				Signature				Month Day Year					



United Oil Recovery, Inc.
Bridgeport United Recycling, Inc.
Land Ban Notification Form

Generator Name Malta Rocket Fuel Area Site

Manifest Number CTF0461830

☒ **Nonhazardous Waste.** This waste is not hazardous waste as defined in 40 CFR 261 and is not subject to regulation under 40 CFR 268.

☐ **Hazardous Waste.** This waste is hazardous waste and therefore regulated under 40 CFR 268. This waste is banned from land disposal unless treated to the standards under 40 CFR 268.40 or specifically exempt under this Subpart. I understand that United Oil Recovery, Inc. and Bridgeport United Recycling, Inc. operate treatment systems that are regulated under the CWA. This waste is a ☐ wastewater ☒ nonwastewater as defined in this Subpart. The applicable waste codes are checked below. (6NYCR 376.4-FOR NY STATE ONLY)

Spent Solvent Wastes

☐ F001, ☐ F002, ☐ F003, ☐ F004, ☐ F005

☐ Acetone
☐ Benzene
☐ n-Butyl Alcohol
☐ Carbon Disulfide
☐ Carbon Tetrachloride
☐ Chlorobenzene
☐ Cresol (m- and p- isomers)
☐ Cresol (o- isomer)
☐ Cyclohexanone
☐ 1,2-Dichlorobenzene
☐ Ethyl Acetate
☐ Ethyl Benzene
☐ Ethyl Ether
☐ Isobutanol
☐ Methanol
☐ Methylene Chloride
☐ Methyl Ethyl Ketone
☐ Methyl Isobutyl Ketone
☐ Nitrobenzene
☐ Pyridine
☐ Tetrachloroethylene
☐ Toluene
☐ 1,1,1-Trichloroethane
☐ 1,1,2-Trichloroethane
☐ 1,1,2-Trichloro-1,2,2-Trifluoroethane
☐ Trichloroethylene
☐ Trichlorofluoromethane
☐ Xylene

Characteristic Wastes

☐ D001 Ignitable Liquids, High TOC (>10%)
☐ D001 Ignitable Liquids, Low TOC (<10%)
☐ D004 Arsenic
☐ D018 Benzene
☐ D006 Cadmium
☐ D019 Carbon tetrachloride
☐ D021 Chlorobenzene
☐ D022 Chloroform
☐ D007 Chromium
☐ D023 o-Cresol
☐ D024 m-Cresol
☐ D025 p-Cresol
☐ D026 Cresol
☐ D027 1,4-Dichlorobenzene
☐ D028 1,2-Dichloroethane
☐ D029 1,1-Dichloroethylene
☐ D030 2,4-Dinitrotoluene
☐ D032 Hexachlorobenzene
☐ D033 Hexachlorobutadiene
☐ D034 Hexachloroethane
☐ D008 Lead
☐ D035 Methyl ethyl ketone
☐ D036 Nitrobenzene
☐ D037 Pentachlorophenol
☐ D038 Pyridine
☐ D011 Silver
☐ D039 Tetrachloroethylene
☐ D040 Trichloroethylene
☐ D041 2,4,5-Trichlorophenol
☐ D042 2,4,6-Trichlorophenol
☐ D043 Vinyl chloride

The information provided here is true and accurate to the best of my knowledge. The information here is submitted solely to comply with the LDR found in 40 CFR 268. (Check here if the waste meets the treatment standards) ☐ I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Signature

David W. Myers

Title

Authorized Agent for Malta PRPs

Print Name

David W. Myers

Date

10/12/95

ATTACHMENT D

BUILDING 14 MANIFEST DOCUMENTATION



**MICHIGAN DEPARTMENT
OF NATURAL RESOURCES**

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 64, PA 1979 as amended and Act 136, PA 1969
Failure to file is punishable under section 299 548 MCL or Section 10 of Act 136, PA 1969

Please print or type

Form Approved OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No.		Manifest Document No.		2 Page 1 of 1		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address Malta PRP - Dave W. Myers c/o EnviroClean-Northeast 501 New Karner Rd, Albany, NY 12205		Site: Plains Rd. Ballston Spa, NY 12020		A. State Manifest Document Number MI 3461469		B. State Generator's ID			
4 Generator's Phone (518) 452-4291		6 US EPA ID Number NY D 9 8 0 7 6 9 9 4 7		C. State Transporter's ID 9A-278		D. Transporter's Phone 716-827-7200			
5 Transporter 1 Company Name Haz Mat Env. Group, Inc.		8 US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone			
7 Transporter 2 Company Name		10 US EPA ID Number		G. State Facility's ID		H. Facility's Phone (313) 697-2200			
9 Designated Facility Name and Site Address Michigan Disposal, Inc. 49350 N. I-94 Service Dr. Belleville, MI 48111		11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). a. X RQ, Hazardous Waste Liquid, N.O.S., 9, NA3082, III (F001-F002) (D006-D007)		12 Containers No. Type 0 0 1 T T		13 Total Quantity 2616 33000		14 Unit G	
		b.						I. Waste No. N/H F 0 0 1 F 0 0 2 D 0 0 6 H	
		c.							
		d.							
J. Additional Descriptions for Materials Listed Above EQ #01-29-96 MJ (D007, D008, D009, 001D, 003D) Contaminated Septage		K. Handling Codes for Wastes Listed Above a/ / b/ / c/ / d/ /							
15. Special Handling Instructions and Additional Information ERG #31 24 hr emergency phone: Dave W. Myers (518) 452-4291									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Authorized Agent for Malta PRPs Printed/Typed Name: David W. Myers Signature: David W. Myers Date: 02/06/96									
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: JOE DOMINIAK Signature: Joseph Dominik Date: 02/06/96									
18. Transporter 2 Acknowledgement or Receipt of Materials Printed/Typed Name: Signature: Date:									
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name: Signature: Date:									

EQ LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

Generator Name: Malta PRP

Manifest Doc No.: PRP01

Generator USEPA ID No. NYD980769947

State Manifest No.: MI 3461469

INSTRUCTIONS

MDI #01-29-96 MJ

A. Identify all USEPA hazardous waste codes that apply to this waste shipment in the spaces provided below. For each waste code, check the appropriate Treatability Group, Non-WasteWater (NWW) or WasteWater (WW), in Column 2. Enter the appropriate Subcategory, if applicable, in Column 3 and also enter "Debris" in Column 3 if the waste is debris that will be treated using one of the alternative treatment technologies provided by 263.45. In Column 4, reference the appropriate paragraph(s) from Page 2 of this form. In Column 5, enter the Reference Number or Numbers from Table 1 (pages 3 and 4 of this form) for all regulated constituents associated with F001-F005, F039, D001, D002, and D012-D043. Also, if the waste is a debris, enter in Column 5 the Reference Number or Numbers from Table 1 of the contaminants subject to treatment.

B. If the waste is a California List waste, complete the boxes below appropriately and check the appropriate California List constituents in Table 2 (page 4 of this form).

1. R E F #	HAZARDOUS WASTE CODE(S)	2a. NWW	2b. WW	3. SUBCATEGORY (Enter Appropriate Subcategory If Applicable. If Debris That Will Be Managed Using The Alternative Treatment Technologies Provided By 263.45, Enter "Debris")	4. HOW MUST THE WASTE BE MANAGED? (Reference Page 2 Paragraph)	5. Identify, Using The Reference Numbers in Table 1, All The Regulated Constituents For Wastes F001-F005, F039, D001, D002, D012- D043 and Debris.
1	F001	X			A	None
2	F002	X			A	None
3	D006	X			A	
4	D007	X			A	
5	D008	X			A	
6	D009	X			A	
7	D010	X			A	
8	D030	X			A	
9						
10						
11						
12						
13						
14						
15						

I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Signature David W. Myers

Title Authorized Agent for Malta PRPs

Print Name David W. Myers

Date 02/06/96

EQ LDR.FRM 12/13/94 Revision 0



**MICHIGAN DEPARTMENT
OF NATURAL RESOURCES**

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Act 84, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address MALTA GROUP - DAVE W. MYERS c/o EnviroClean-Northeast 501 Karner Rd., Albany, NY 12205		Site: Plains Rd. Ballston Spa, NY 12020		4. Generator's Phone ()		A. State Manifest Document Number MI 4044263		B. State Generator's ID	
5. Transporter 1 Company Name Franks Vacuum Serv., Inc.		6. US EPA ID Number NYD9827928114		C. State Transporter's ID 9A-332 / 2074		D. Transporter's Phone 716-284-2132		E. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID		H. Facility's Phone (313) 697-2200	
9. Designated Facility Name and Site Address Michigan Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111		10. US EPA ID Number MID000724831		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). a. RQ, Hazardous Waste Liquid, N.O.S., 9, NA3082, III (F001-F002) (D006-D007)		12. Containers No. Type 0,0,1 T,T		13. Total Quantity 289.5	
						14. Unit G		I. Waste No. F001 F002 D006 D007	
								J. Additional Descriptions for Materials Listed Above EQ #01-29-96 MJ (D007, D008, D009, 001D, 003D) Contaminated Septage	
								K. Handling Codes for Wastes Listed Above a/ / b/ / c/ / d/ /	
15. Special Handling Instructions and Additional Information ERG #31 24 Hr. Emergency Contact: Dave W. Myers (518) 452-4291									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. <i>Authorized Agent For Mn/DOT PRPs</i>		Printed/Typed Name David W. Myers		Signature David W. Myers		Date 01/22/96			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name RONNIE COOPER		Signature Ronnie Cooper		Date 01/22/96			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name		Signature		Date			

EQ LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

Generator Name Malta PRP Manifest Doc No. PRP04
 Generator USEPA ID No. NYD980769947 State Manifest No. MI 4044263
 MDI #01-29-96 MJ

INSTRUCTIONS

- A. Identify all USEPA hazardous waste codes that apply to this waste shipment in the spaces provided below. For each waste code, check the appropriate Treatability Group, Non-WasteWater (NWW) or WasteWater (WW), in Column 2. Enter the appropriate Subcategory, if applicable, in Column 3 and also enter "Debris" in Column 3 if the waste is debris that will be treated using one of the alternative treatment technologies provided by 263.45. In Column 4, reference the appropriate paragraph(s) from Page 2 of this form. In Column 5, enter the Reference Number or Numbers from Table 1 (pages 3 and 4 of this form) for all regulated constituents associated with F001-F005, F039, D001, D002, and D012-D043. Also, if the waste is a debris, enter in Column 5 the Reference Number or Numbers from Table 1 of the contaminants subject to treatment.
- B. If the waste is a California List waste, complete the boxes below appropriately and check the appropriate California List constituents in Table 2 (page 4 of this form).

1. REF.	HAZARDOUS WASTE CODE(S)	2a. NWW	2b. WW	3. SUBCATEGORY (Enter Appropriate Subcategory If Applicable. If Debris That Will Be Managed Using The Alternative Treatment Technologies Provided By 263.45, Enter "Debris")	4. HOW MUST THE WASTE BE MANAGED? (Reference Page 2 Paragraph)	5. Identify, Using The Reference Numbers in Table 1, All The Regulated Constituents For Wastes F001-F005, F039, D001, D002, D012- D043 and Debris.
1	F001	X			A	None
2	F002	X			A	None
3	D006	X			A	
4	D007	X			A	
5	D008	X			A	
6	D009	X			A	
7	D010	X			A	
8	D030	X			A	
9						
10						
11						
12						
13						
14						
15						

I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Signature David W. Myers Title Authorized Agent for Malta PRPs

Print Name David W. Myers Date 02/26/96
 EQ LDR FRM 12/13/94 Revision 0



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
 79 Elm St., Hartford, CT 06106-5127

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C...R...W... ..		Manifest Document No. 9.5.0.0.3	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.	
3. Generator's Name and Mailing Address GENERAL ELECTRIC 1 COMPUTER DRIVE ALBANY, NY 12208					A. State Manifest Document Number CT F 0449446		
4. Generator's Phone (518) 458-6620					B. G.S.I. (Gen. Site Address) MALTA ROCKET FUEL AREA S.F. S		
5. Transporter 1 Company Name UNITED INDUSTRIAL SERVICES					TOWNS OF MALTA/STILLWATER		
6. US EPA ID Number C T D 0 2 . 1 . 8 . 1 . 6 . 8 . 8 . 9					SARATOGA COUNTY, NY		
7. Transporter 2 Company Name					C. S.T.I. (Plate #) 21461-A		
8. US EPA ID Number					D. Tran. Phone (203) 235-3753		
9. Designated Facility Name and Site Address UNITED OIL RECOVERY INC 136 GRACEY AVE MERIDEN, CT 06451					E. S.T.I. (Plate #)		
10. US EPA ID Number C T D 0 2 . 1 . 8 . 1 . 6 . 8 . 8 . 9					F. Tran. Phone ()		
					G. State Facility ID (Not Required)		
					H. Facility Phone (203) 235-3753		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. CT REGULATED WASTE, NONE, NONE				No. Type			EPA NONE STATE CR04
b.				0.0.1 T	01100	G	EPA STATE
c.							EPA STATE
d.							EPA STATE
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
a. WASTE RAIN WATER				Interim Final Interim Final			
b.				a. 502 718 762 c.			
c.				b. d.			
15. Special Handling Instructions and Additional Information 3121ALM EMERGENCY 24 HR PHONE: (203) 235-3753 EMERGENCY RESPONSE GUIDE BOOK: GUIDE #							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Point of Departure:							
Printed/Typed Name David W. Myers				Signature David W. Myers			
17. Transporter 1 Acknowledgement of Receipt of Materials				Month Day Year 11/6/95			
Printed/Typed Name Dan Brooks				Signature Dan Brooks			
18. Transporter 2 Acknowledgement of Receipt of Materials				Month Day Year 11/6/95			
Printed/Typed Name				Signature			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name LISA A. BUCKE				Signature Lisa A. Bucke			
				Month Day Year 11/1/95			



United Oil Recovery, Inc.
Bridgeport United Recycling, Inc.
Land Ban Notification Form

Generator Name GENERAL ELECTRIC/ MALTA ROCKET FUEL Manifest Number CTF0449446

☒ **Nonhazardous Waste.** This waste is not hazardous waste as defined in 40 CFR 261 and is not subject to regulation under 40 CFR 268.

☐ **Hazardous Waste.** This waste is hazardous waste and therefore regulated under 40 CFR 268. This waste is banned from land disposal unless treated to the standards under 40 CFR 268.40 or specifically exempt under this Subpart. I understand that United Oil Recovery, Inc. and Bridgeport United Recycling, Inc. operate treatment systems that are regulated under the CWA. This waste is a ☐ wastewater ☒ nonwastewater as defined in this Subpart. The applicable waste codes are checked below.

(6NYCR 376.4-FOR NY STATE ONLY)

Spent Solvent Wastes

☐ F001, ☐ F002, ☐ F003, ☐ F004, ☐ F005

☐ Acetone
☐ Benzene
☐ n-Butyl Alcohol
☐ Carbon Disulfide
☐ Carbon Tetrachloride
☐ Chlorobenzene
☐ Cresol (m- and p- isomers)
☐ Cresol (o- isomer)
☐ Cyclohexanone
☐ 1,2-Dichlorobenzene
☐ Ethyl Acetate
☐ Ethyl Benzene
☐ Ethyl Ether
☐ Isobutanol
☐ Methanol
☐ Methylene Chloride
☐ Methyl Ethyl Ketone
☐ Methyl Isobutyl Ketone
☐ Nitrobenzene
☐ Pyridine
☐ Tetrachloroethylene
☐ Toluene
☐ 1,1,1-Trichloroethane
☐ 1,1,2-Trichloroethane
☐ 1,1,2-Trichloro-1,2,2-Trifluoroethane
☐ Trichloroethylene
☐ Trichlorofluoromethane
☐ Xylene

Characteristic Wastes

☐ D001 Ignitable Liquids, High TOC (>10%)
☐ D001 Ignitable Liquids, Low TOC (<10%)
☐ D004 Arsenic
☐ D018 Benzene
☐ D006 Cadmium
☐ D019 Carbon tetrachloride
☐ D021 Chlorobenzene
☐ D022 Chloroform
☐ D007 Chromium
☐ D023 o-Cresol
☐ D024 m-Cresol
☐ D025 p-Cresol
☐ D026 Cresol
☐ D027 1,4-Dichlorobenzene
☐ D028 1,2-Dichloroethane
☐ D029 1,1-Dichloroethylene
☐ D030 2,4-Dinitrotoluene
☐ D032 Hexachlorobenzene
☐ D033 Hexachlorobutadiene
☐ D034 Hexachloroethane
☐ D008 Lead
☐ D035 Methyl ethyl ketone
☐ D036 Nitrobenzene
☐ D037 Pentachlorophenol
☐ D038 Pyridine
☐ D011 Silver
☐ D039 Tetrachloroethylene
☐ D040 Trichloroethylene
☐ D041 2,4,5-Trichlorophenol
☐ D042 2,4,6-Trichlorophenol
☐ D043 Vinyl chloride

The information provided here is true and accurate to the best of my knowledge. The information here is submitted solely to comply with the LDR found in 40 CFR 268. (Check here if the waste meets the treatment standards) ☐ I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.37 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Signature

David W. Myers

Title

Authorized Agent for Malta PRPs

Print Name

David W. Myers

Date

11/16/95

ATTACHMENT E
CATCH BASIN AND DRY WELL MANIFEST
DOCUMENTATION

Items 11b and 11d on Manifest NYB8199873 and Items 11a and 11c on Manifest NYB8199918 are "blacked-out". The materials described in these "blacked-out" areas are Investigation Derived Waste (IDW). IDW disposal will be described in a separate report.

HAZARDOUS WASTE MANIFEST

P.O. Box 12920, Albany, New York 12212

Page 1 of 1 (Do not Staple)

Manifest No. 1242P, NY

UNIFORM HAZARDOUS WASTE MANIFEST	Generator's US EPA No. NY D099689846P2P02	Manifest No. 1242P, NY	Page 1 of 1
----------------------------------	---	------------------------	-------------

1. Generator's Name and Mailing Address NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION MALTA TEST STATION PLAINS ROAD BALLSTON SPA NY 12020	2. State Manifest Document No. NY B 8199918
---	--

3. Generator's Phone 518 452-4291	4. US EPA ID Number NY D980769947	5. State Transporter's ID 1242P, NY
--------------------------------------	--------------------------------------	--

6. Designated Facility Name and Site Address ONM CHEMICAL SERVICES INC 1550 BATHUR ROAD MODEL CITY NY 14107	7. US EPA ID Number NY D049836679	8. State Facility's ID 716 754-8231
--	--------------------------------------	--

9. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers	13. Total Quantity	14. Unit	15. Waste No.
--	----------------	--------------------	----------	---------------

NON REGULATED MATERIAL (SOIL CONTAMINATED WITH TRACE FREON 13)	xx5 DM x 3000 P	EPA STATE 1242P, NY
--	-----------------	---------------------

J. Additional Descriptions for Materials listed Above	K. Handling Codes for Wastes Listed Above
---	---

aMDC B01258	c MDC BZ2017	a T	c L
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16. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION NY) PC4006 LTNE a & b FOR TRACKING PURPOSES ONLY ** INVOICE ** AETS/ALBANY CONTACT MIKE KROTOW 24 HOUR EMERGENCY RESPONSE INFORMATION (800)424-9300 SR # 279123
--

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

Printed/Typed Name David W. Myers	Signature David W. Myers	No. Day Year 020896
--------------------------------------	-----------------------------	------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name John Houlihan	Signature John Houlihan	No. Day Year 020896
-------------------------------------	----------------------------	------------------------

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	No. Day Year
--------------------	-----------	--------------

19. Discrepancy Indication Space

20. Receiver's Operator Certification of receipt of hazardous materials covered by this manifest (except for empty containers)
--

NY B 8199918

HAZARDOUS WASTE MANIFEST

P.O. Box 12620 Albany, New York 12212

Form 8700-22 (Rev. 9-88)

1. Page 1 of 1
2. Information on this manifest is required by Federal Law.

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID

Manifest No.

NY D 0 9 9 6 8 9 8 4 6 PRP03

1

Generator Name and Mailing Address
NEW YORK STATE RESEARCH & DEVELOPMENT AUTHORITY

maita test station

PLATTS ROAD BATHSTON SPA NY 12020

518 5 452-4291

A. State Manifest Document No.

NY B 8199873

B. Generator's ID

SAME

C. Transporter 1 Company Name

HAZMAT ENVIRONMENTAL GROUP INC

D. US EPA ID Number

NY D 9 8 0 7 6 9 9 4 7

E. State Transporter's ID NYLIC#12142P

F. Transporter's Phone 716 827-7200

G. Transporter 2 Company Name

H. US EPA ID Number

I. State Transporter's ID

J. Transporter's Phone

K. Designated Facility Name and Address

OWM CHEMICAL SERVICES INC

1550 BALMER ROAD

MODEL CITY NY 14107

L. US EPA ID Number

NY D 0 4 9 8 3 6 6 7 9

M. State Facility's ID

716 754-8231

N. Facility's Phone

716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

a. RO HAZARDOUS WASTE SOLID NOS 9 NA3077 PGIII
D009 D033 (MERCURY HEXACHLOROBUTADIENE)

ERG # 31

12. Containers

No. Type

13. Total Quantity

14. Unit We/Vol

15. Waste No.

XX 1 DM XX 575 P

EPA D009
STATE

b. RO HAZARDOUS WASTE SOLID NOS 9 NA3077 PGIII
D008 (CONTAINS LEAD)

ERG # 31

XX 8 CF 16 000 P

EPA D008
STATE

J. Additional Descriptions for Materials listed Above

a. MDC B01253

c. MDC B01256

K. Handling Codes for Wastes Listed Above

a. B T

b. MDC B01254

d. MDC B01257

b. L T

16. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE INFORMATION (800)424-9300

NY1 PC 006

SR # 279123

** INVOICE ** ARIS/ALBANY CONTACT: MIKE KROTOW

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

If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small generator, I have made good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Authorized Agent for Mahta PRPs

Printed Name

Signature

David W. Myers

David W. Myers

02 08 96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name

Signature

Mo. Day Year

John Houlihan

John Houlihan

02 08 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name

Signature

Mo. Day Year

19. Discrepancy Information Space

20. Facility Owner/Operator Certification: I declare that the hazardous materials covered by this manifest are in accordance with the manifest and are being managed in accordance with the manifest.

Printed Name

Signature

Mo. Day Year

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (LDC) - REVERSE SIDE

WDC-801253

SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: P001, P002, P003, P004, P005, and all solvent constituents will not be monitored by the treater, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code P009 describes this waste, then the corresponding list of constituents must be attached. If P001, P002, or P012-P043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

P001 through P005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard		P001 through P005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard	
	Wastewater	Nonwastewater		Wastewater	Nonwastewater

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

CALIFORNIA LIST TREATMENT STANDARDS--40CFR 268.32, 40 CFR 268.42 and RCRA Section 3004(d) A waste must first be designated as a US EPA Hazardous Waste before the waste can be subject to the California List restrictions.		
Restricted waste description	Prohibition	Treatment Standard
Liquid or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid wastes: Greater than or equal to 1,000 mg/l Nonliquid wastes: Greater than or equal to 1,000 mg/kg	40 CFR 268.42(a)(2) - INCIN or FSUS
Liquid wastes containing Poly Chlorinated Biphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or FSUS Also see 40 CFR 761.60 and 70 RCRA Section 3004(a)
Liquid wastes containing Metals Note: Hazardous wastes containing As, Cd, Cr, Hg, Pb, or Se must be evaluated if not characteristically hazardous for that metal.	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 124mg/l Thallium and/or compounds as Th: 130mg/l	

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual SW-846

SUBCATEGORY REFERENCE

- P001:
- Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I SDA systems.
 - Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA-equivalent or Class I SDA systems.
 - High TOC ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.
- P002:
- Corrosive characteristic wastes that are managed in non-CMA/non-CMA-equivalent/non-Class I SDA systems.
 - Corrosive characteristic wastes that are managed in CMA, CMA-equivalent, or Class I SDA systems.

4/10/96 2/08/96

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (UTS)

NYC-B01253

Generator Name: NEW YORK STATE RESEARCH &

Manifest Doc. No.: PRP03

Profile Number: B01253 SOIL

State Manifest No: NYB8199873

1. Is this waste a non-hazardous or hazardous? (See 40 CFR 268.2) Check ONE: ☒ Non-hazardous ☐ Hazardous
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:
HOCs, PCBs, Acid, Metals, Cyanides
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, or D012-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	4. USE EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D009	LOW MERCURY, < 260 PPM		A
2	D053	Non CMR, Non Class I, SOGA System		A
3				
4				
5				

To identify F039 or D001, D002, D012-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CUM-2004) and check here: ☒
 If no UHCs are present in the waste upon its initial generation check here: ☐
 To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided (CUM-2005-B) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, or D, you are making the appropriate certification as provided below.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTE FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the non-hazardous organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart D or Part 265 Subpart D, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the non-hazardous organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: David W. Myers Title: Authorized Agent Malta PRPs Date: 02/08/96
 1990 Chemical Waste Management, Inc. - 12/94 - Form CUM-2005-A

SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

The waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: P01, P002, P003, P004, P005, and all solvent constituents will not be monitored by the treater, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code P059 describes this waste, then the corresponding list of constituents must be attached. If D001, D002, or D013-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

P001 through P005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard	P001 through P005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard
	Wastewater / Nonwastewater		Wastewater / Nonwastewater

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater limits are mg/l, nonwastewater are mg/kg.

CALIFORNIA LIST TREATMENT STANDARDS--40CFR 268.32, 40 CFR 268.42 and RCRA Section 3004(d)

A waste must first be designated as a US EPA Hazardous waste before the waste can be subject to the California List restrictions.

Restricted Waste Description	Prohibition	Treatment Standard
Liquid or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III	Liquid wastes: greater than or equal to 1,000 mg/l Nonliquid wastes: greater than or equal to 1,000 mg/kg	40 CFR 268.42(a)(2) - INCIN or P005
Liquid wastes containing Poly Chlorinated Biphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or P005 Also see 40 CFR 761.60 and .70
Liquid wastes containing Metals	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 134mg/l Thallium and/or compounds as Tl: 130mg/l	RCRA Section 3004(d)

Note: Hazardous wastes containing As, Cd, Cr, Hg, Pb, or Se must be evaluated if not characteristically hazardous for that metal

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual 9W-846

SUBCATEGORY REFERENCE

P001:

- Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CMA/non-CMA equivalent/non-Class I SDA systems.
- Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CMA/CMA-equivalent or Class I SDA systems.
- High TOC ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.

P002:

- Corrosive characteristic wastes that are managed in non-CMA/non-CMA-equivalent/non-Class I SDA systems.
- Corrosive characteristic wastes that are managed in CMA, CMA-equivalent, or Class I SDA systems.

2/08/96

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (LNU)

HDC-BQ1256

Generator Name: NEW YORK STATE RESEARCH &

Manifest Doc. No.: PRP03

Profile Number: BQ1256 SOIL

State Manifest No: NY88199873

1. Is this waste a non-hazardous or hazardous? (See 40 CFR 268.2) Check ONE: ☒ Non-hazardous ☐ Hazardous
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If P039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001, D002, or D012-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D001		X	A
2				
3				
4				
5				

To identify P039 or D001, D002, D012-D043, underlying hazardous constituent(s), use the "P039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here: ☒

If no UNCs are present in the waste upon its initial generation check here: ☒

To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided (CWM-2005-B) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, or D, you are making the appropriate certification as provided below.

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

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I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: David W. Myers Title: Authorized Agent - MHA PRPs Date: 02/08/96

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EnviroClean - Northeast, Inc. of 501 New Karner Road, Albany, New York 12205 [the firm under contract to the General Electric Company ("GE") of One Computer Drive South, Albany, New York 12205 and New York State Energy Research and Development Authority ("NYSERDA") of Two Rockefeller Plaza - 9th Floor, Agency Building 2, Albany, New York 12223] is implementing the program to dispose of the wastes resulting from several response actions conducted at the Malta Rocket Fuel Area Site ("Site") during the RI/FS as well as the investigation-derived wastes. GE and NYSERDA are only two of the eight Potentially Responsible Parties ("PRPs") named on the U.S. EPA Unilateral Administrative Order ("Order") Index No. CERCLA-90219 (October 5, 1989) for the performance of an RI/FS at the Site. To date, GE, NYSERDA, and the U.S. Department of Defense have performed the RI/FS at the Site pursuant to an Interim Participation Agreement between the three parties.

