

**United States Army**  
Fort Monmouth, New Jersey

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**Underground Storage Tank  
Closure and Site Investigation  
Report**

***Building 2603  
Charles Wood Area***

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**NJDEP UST Registration No. 81515-60  
DICAR No. 98-04-16-1603-19**

**January 2002**

**United States Army**  
Fort Monmouth, New Jersey

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**January 2002**

**UNDERGROUND STORAGE TANK  
CLOSURE AND SITE INVESTIGATION REPORT**

**BUILDING 2603**

**CHARLES WOOD AREA  
NJDEP UST REGISTRATION NO. 81515-60**

**JANUARY 2002**

**PREPARED FOR:**

**UNITED STATES ARMY, FORT MONMOUTH, NEW JERSEY  
DIRECTORATE OF PUBLIC WORKS  
BUILDING 167  
FORT MONMOUTH, NJ 07703**

**PREPARED BY:**

***Versar* INC.  
2558 PEARL BUCK ROAD  
SUITE 1  
BRISTOL, PA 19007**

**PROJECT NO. 4936-127**

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## EXECUTIVE SUMMARY

### UST Closure

On April 14, 1998, a steel underground storage tank (UST) was closed by removal in accordance with New Jersey Department of Environmental Protection (NJDEP) closure procedures at the Charles Wood Area of the U.S. Army Fort Monmouth, Fort Monmouth, New Jersey. The UST, NJDEP Registration No. 0081515-60 (Fort Monmouth ID No. 2603) was located south of Building 2603. UST No. 0081515-60 was a 275-gallon tank containing diesel.

### Site Assessment-Soil

The site assessment was performed by U.S. Army personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. The sampling and laboratory analyses conducted during the site assessment were performed in accordance with Section 7:26E-2.1 of the *Technical Requirements for Site Remediation*. Soils surrounding the tank were screened visually and with air monitoring equipment for evidence of contamination. Following removal, the UST was inspected for corrosion holes or punctures. No holes or punctures in the UST were noted. Stained soil was observed. Based on the inspection of the excavation, Directorate of Public Works (DPW) concluded that a discharge of petroleum products was associated with this UST. The NJDEP hotline was notified and the case was assigned DICAR No. 98-04-16-1603-19. Groundwater was encountered at 4.0 feet below ground surface and sheen was observed on groundwater.

Following the removal of the UST and approximately 225 cubic yards of potentially petroleum contaminated soil from the excavated area, post-excavation soil samples were collected from three (3) locations within the UST excavation area. All samples were analyzed for total petroleum hydrocarbons (TPHC), total solids, lead, and Volatile Organic Compounds (VOCs).

The excavation was re-opened February 24, 1999 in response to concern over the quality of surface water in the adjacent stream. Soil and groundwater contamination were observed. On March 2, 1999, water samples were collected from the open excavation and adjacent stream. Additional soil was removed from the former UST area and new post-excavation soil samples were collected. Steel sheeting was installed around the excavation to protect the stream from erosion and contamination migration.

### Findings-Soil

Analytical results of post-excavation soil samples collected on April 14, 1998 contained concentrations of contaminants below the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). TPH concentrations ranged from 489.55 mg/kg to 562.45 mg/kg.

Soil samples collected between April 2 and April 12, 1999 contained TPH concentrations

ranging from below the method detection limit to 2,509.85 mg/kg. Two samples, 2603-7 and 2603-8 exceeded the NJDEP guidance criteria of 1,000 mg/kg TPH. Consequently, both samples were analyzed for VOCs and SVOCs but contained no compounds above the NJDEP soil cleanup criteria.

#### Site Assessment -Groundwater

In response to the observation of potentially contaminated soil near the shallow water table, a 4-inch diameter monitoring well was installed at the site on July 28, 1999.

Since September 21, 1999 the monitoring well has been sampled on a quarterly basis. The groundwater was analyzed for Metals, Pesticides/PCBs, VOCs, and SVOCs.

#### Findings-Groundwater

A review of the historical groundwater analytical results indicates that concentrations of VOCs, SVOCs, Pesticides/PCBs are in compliance with NJDEP GWQS. As part of the long-term monitoring program for Building 2603, the levels of several metals including aluminum, arsenic, iron, lead, and manganese have been tracked over the last three years. Arsenic and lead complied with the NJDEP GWQS until the last round of sampling. Aluminum, iron, and manganese continue to be above the GWQS. These levels could be representative of background levels or could be the result of turbidity caused by the sampling method. Regardless, the groundwater at the site will continue to be monitored.

#### Conclusion and Recommendations

Based on the analytical results of the post-excavation soil samples collected between April 14, 1998 and May 1999, soil quality at the Building 2603 UST closure site does not exceed the NJDEP RDCSCC. Therefore, no further action is warranted.

Based on the analytical results of the groundwater samples collected between September 1999 and July 2001, groundwater quality at the Building 2603 UST closure site contains metals that do not comply with the New Jersey Groundwater Quality Standards.

Continued long term monitoring is proposed in regard to the closure and site assessment of UST No. 081515-60 at Building 2603.

# 1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

## 1.1 OVERVIEW

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 81515-60, was closed at Building 2603 at the Charles Wood area of U.S. Army Fort Monmouth, Fort Monmouth, New Jersey on April 14, 1998. Refer to the Site Location Map, Figure 1. This report presents the results of the Department of Public Works' (DPW) implementation of the UST Decommissioning/Closure Plan approved by the NJDEP. The UST was a steel 275-gallon tank containing diesel.

Decommissioning activities for UST No. 81515-60 complied with all applicable Federal, State, and Local laws and ordinances in effect at the date of decommissioning. These laws included but were not limited to N.J.A.C. 7:14B-1 et seq., N.J.A.C. 5:23-1 et seq., and Occupational Safety and Health Administration (OSHA) 1910.146 and 1910.120. All permits including but not limited to the NJDEP-approved Decommissioning/Closure Plan were posted onsite for inspection. The decommissioning activities were conducted by DPW personnel who are registered and certified by the NJDEP for performing UST closure activities. Closure of UST No. 81515-60 proceeded under the approval of the NJDEP Bureau of Federal Case Management (NJDEP-BFCM).

This UST Closure and Site Investigation Report has been prepared by Versar, to assist the U.S. Army DPW in complying with the NJDEP regulations. The applicable NJDEP regulations at the date of closure were the *Interim Closure Requirements for Underground Storage Tank Systems* (N.J.A.C. 7:14B-1 et seq. October 1990 and revisions dated November 1, 1991).

## 1.2 SITE DESCRIPTION

Building 2603 is located in the Charles Wood area of the Fort Monmouth Army Base. UST No. 0081515-60 was located east of Building 2603. A Site Map is provided as Figure 2.

### 1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the area surrounding Building 2603. Included is a description of the regional geology of the area surrounding Fort Monmouth as well as descriptions of the local geology and hydrogeology of the Charles Wood area.

#### Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post, Charles Wood, and the Evans areas are located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.



According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Some well owners have reported acidic water that requires treatment to remove iron.

Due to the proximity of the Atlantic Ocean to Fort Monmouth, shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in. However, an abundance of clay lenses and sand deposits were noted in borings installed throughout Fort Monmouth. Therefore the direction of shallow groundwater should be determined on a case by case basis.

### **1.3 HEALTH AND SAFETY**

Before, during, and after all decommissioning activities, hazards at the work site which may have posed a threat to the Health and Safety of all personnel who were involved with, or were affected by, the decommissioning of the UST system were minimized. All areas which posed or may have been suspected to pose a vapor hazard were monitored by a qualified individual utilizing an organic vapor analyzer (OVA). The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA.

### **1.4 REMOVAL OF UNDERGROUND STORAGE TANK**

#### **1.4.1 General Procedures**

- The contractor performing the closure prior to excavation activities identified all underground obstructions (utilities, etc.).
- All activities were carried out with the greatest regard to safety and health and the safeguarding of the environment.
- All excavated soils were visually examined and screened with an Organic Vapor Analyzer (OVA) for evidence of contamination. Potentially contaminated soils were identified and logged during closure activities.
- Surface materials (i.e., asphalt, concrete, etc.) were excavated and staged separately from all soil and recycled in accordance with all applicable regulations and laws.
- A Subsurface Evaluator from the DPW was present during all site assessment activities.

#### **1.4.2 Underground Storage Tank Excavation and Cleaning**

Prior to UST decommissioning activities, surficial soil was removed to expose the UST and associated piping. All free product present in the piping was drained into the UST and the UST was purged to remove vapors prior to cutting and removal of the piping. After removal of the associated piping, a manway was cut in the UST to allow for proper cleaning. The UST was completely emptied of all liquids prior to removal from the ground. Approximately

30 gallons of liquid from the UST and associated piping were transported by Lorco Petroleum Services to their facility, a NJDEP-approved petroleum recycling and disposal company located in Old Bridge, New Jersey. Refer to Appendix C for the waste manifest.

The UST was cleaned prior to removal from the excavation in accordance with the NJDEP regulations. After the UST was removed from the excavation, it was staged on polyethylene sheeting and examined for holes. No holes were observed during the inspection by the Sub-Surface Evaluator. Soils surrounding the UST were screened visually and with an OVA for evidence of contamination. Soils were stained and appeared contaminated. Soil screening was also performed along the piping associated with the UST. Groundwater was encountered at 4.0 feet below ground surface and sheen was observed on groundwater.

### **1.5 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL**

The tank was transported in compliance with all applicable regulations and laws to Red Bank Recycling. Please refer to Appendix D for the UST Disposal Certificate.

The UST was labeled prior to transport with the following information:

- Site of origin
- Contact person
- NJDEP UST Facility ID number
- Former contents
- Destination site
- Date

### **1.6 MANAGEMENT OF EXCAVATED SOILS**

All potentially contaminated soils were stockpiled separately from other excavated material and were placed on and covered with polyethylene sheets. Potentially contaminated soils were transported to the soil staging area. Soils that did not exhibit signs of contamination were used as backfill following the removal of the UST. Groundwater was encountered at a depth of 4.0 feet bgs.

## 2.0 SITE INVESTIGATION ACTIVITIES

### 2.1 OVERVIEW

The Site Investigation was managed and carried out by U.S. Army DPW personnel. All analyses were performed and reported by U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory. All sampling was performed under the direct supervision of a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP *Field Sampling Procedures Manual* (1992). Sampling frequency and parameters analyzed complied with the NJDEP document, *Interim Closure Requirements for Underground Storage Tank Systems* (October 1990 and revisions dated November 1, 1991), which was the applicable regulation at the date of the closure. The Fort Monmouth DPW Environmental Office maintains all records of the Site Investigation activities.

### 2.2 FIELD SCREENING/MONITORING

Field screening was performed by a NJDEP Certified Subsurface Evaluator using an OVA and visual observations to identify potentially contaminated material. All potentially petroleum-contaminated soils were removed from the excavation area and transported to the Charles Wood petroleum contaminated soil holding area. Soils were removed from the excavation until no evidence of contamination remained. Groundwater was encountered at 4.0 feet below ground surface.

### 2.3 SOIL SAMPLING

U.S. Army personnel performed the site assessment in accordance with the NJDEP Technical Requirements and the NJDEP Field Sampling Procedures Manual. A summary of sampling activities including parameters analyzed is provided in Table 1. The post-excavation soil samples were collected using NJDEP *Field Sampling Procedures Manual* (1992) standard sampling procedures. Following soil sampling activities, the samples were chilled and delivered to U.S. Army Fort Monmouth Environmental Laboratory located in Fort Monmouth, New Jersey, for analysis.

The site assessment was performed by U.S. Army personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. The sampling and laboratory analyses conducted during the site assessment were performed in accordance with Section 7:26E-2.1 of the *Technical Requirements for Site Remediation*. Soils surrounding the tank were screened visually and with air monitoring equipment for evidence of contamination. Following removal, the UST was inspected for corrosion holes or punctures. No holes or punctures in the UST were noted. Stained soil was observed. Based on the inspection of the excavation, Directorate of Public Works (DPW) concluded that a discharge of petroleum products was associated with this UST. The NJDEP hotline was notified and the case was assigned DICAR No. 98-04-16-1603-19. Groundwater was encountered at 4.0 feet below ground surface.

Following the removal of the UST and approximately 225 cubic yards of potentially petroleum contaminated soil from the excavated area, post-excavation soil samples were collected from three (3) locations within the UST excavation area. All samples were analyzed for total petroleum hydrocarbons (TPHC), total solids, lead, and Volatile Organic Compounds (VOCs).

The excavation was re-opened February 24, 1999 in response to concern over the quality of surface water in the adjacent stream. Soil and groundwater contamination was observed. On March 2, 1999, water samples were collected from the open excavation and adjacent stream. Additional soil was removed from the former UST area and new post-excavation soil samples were collected. Steel sheeting was installed around the excavation to protect the stream from erosion and contamination migration.

## **2.4 GROUNDWATER SAMPLING**

### **2.4.1 Monitoring Well Installation and Sampling**

In response to the observation of potentially contaminated soil near the shallow water table, a 4-inch diameter monitoring well was installed at the site on July 28, 1999.

Since September 21, 1999 the monitoring well has been sampled on a quarterly basis. The groundwater was analyzed for Metals, Pesticides/PCBs, VOCs, and SVOCs.

### **3.0 CONCLUSIONS AND RECOMMENDATIONS**

#### **3.1 SOIL SAMPLING RESULTS**

Analytical results of post-excavation soil samples collected on April 14, 1998 contained concentrations of contaminants below the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). TPH concentrations ranged from 489.55 mg/kg to 562.45 mg/kg.

Soil samples collected between April 2 and April 12, 1999 contained TPH concentrations ranging from below the method detection limit to 2,509.85 mg/kg. Two samples, 2603-7 and 2603-8 exceeded the NJDEP guidance criteria of 1,000 mg/kg TPH. Consequently, both samples were analyzed for VOCs and SVOCs but contained no compounds above the NJDEP soil cleanup criteria.

Analytical results of post-excavation soil samples collected on August 30, 1993 contained either non-detectable concentrations of contaminants or concentrations of contaminants below the NJDEP RDCSCC.

#### **3.2 GROUNDWATER SAMPLING RESULTS**

A review of the historical groundwater analytical results indicates that concentrations of VOCs, SVOCs, Pesticides/PCBs are in compliance with NJDEP GWQS. As part of the long-term monitoring program for Building 2603, the levels of several metals including aluminum, arsenic, iron, lead, and manganese have been tracked over the last three years.

Arsenic and lead complied with the NJDEP GWQS until the last round of sampling. Aluminum, iron, and manganese continue to be above the GWQS. These levels could be representative of background levels or could be the result of turbidity caused by the sampling method. Regardless, the groundwater at the site will continue to be monitored.

#### **3.3 CONCLUSIONS AND RECOMMENDATIONS**

Based on the analytical results of the post-excavation soil samples collected between April 14, 1998 and May 1999, soil quality at the Building 2603 UST closure site does not exceed the NJDEP RDCSCC. Therefore, no further action is warranted.

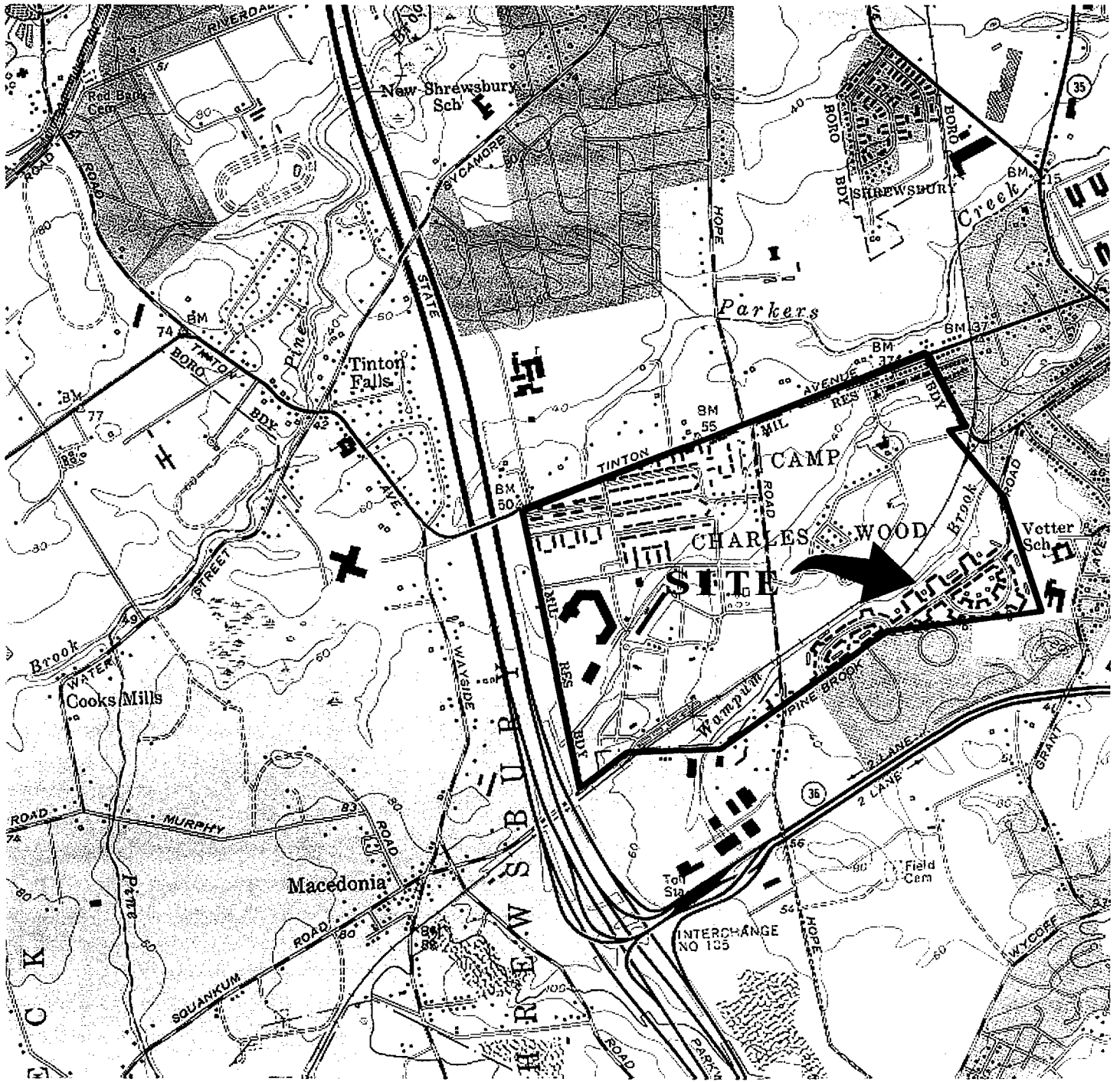
Based on the analytical results of the groundwater samples collected between September 1999 and July 2001, groundwater quality at the Building 2603 UST closure site contains metals that do not comply with the New Jersey Groundwater Quality Standards.

Continued long term monitoring is proposed in regard to the closure and site assessment of UST No. 081515-60 at Building 2603.

**Table 1**  
**Soil Sample Summary**  
**Building 2603, Charles Wood**  
**Fort Monmouth, New Jersey**

<b>Sample Location/ depth</b>	<b>Laboratory ID</b>	<b>Sample Date</b>	<b>Method Detection Limit</b>	<b>Percent Solid</b>	<b>TPH (mg/kg)</b>
2603-1	3483.01	4/15/98	188	79.75	489.55
2603-2	3483.02	4/15/98	171	89.75	504.46
2603-3	3483.03	4/15/98	173	86.93	562.45
2603-1/6'	4310.01	3/2/99	166	90.46	ND
2603-2/6'	4310.02	3/2/99	192	79.1	265.38
2603-3/2.5'	4341.01	3/10/99	189	82.31	ND
2603-4/2.5'	4341.02	3/10/99	192	81.46	ND
2603-5/305'	4341.03	3/10/99	187	83.6	ND
2603-6/4'	4341.04	3/10/99	187	83.2	2509.85
2603-7/3'	4341.05	3/10/99	202	77.19	1468.51
2603-8/6'	4341.06	3/10/99	183	85.3	220.11
2603-9/2.5'	4341.07	3/10/99	168	92.86	ND
2603-10/2.5'	4343.01	3/12/99	185	83.02	ND
2603-10A/2.5'	4343.02	3/12/99	184	83.15	ND
2603-11/3'	4343.03	3/12/99	181	85.71	ND
2603-12/2.5'	4343.04	3/12/99	180	86.15	ND
2603-13/3.5'	4343.05	3/12/99	204	75.1	ND

**FIGURES**



**FIGURE 1**

LOCATION MAP  
 Building 2603  
 Charles Wood  
 Fort Monmouth Army Base  
 Monmouth County, NJ

**VERSAR**  
 Engineers, Managers, Scientists, & Planners  
 Bristol, PA

LONG BRANCH, N. J.

40073-C8-TF-024

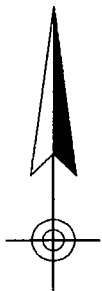
1954

PHOTOREVISED 1981

DMA 6164 I SE-SERIES V822

NEW  
 JERSEY

QUADRANGLE LOCATION



Mapped, edited and published by the Geological Survey

Scale: 1" = 2000'

Date: April 1998



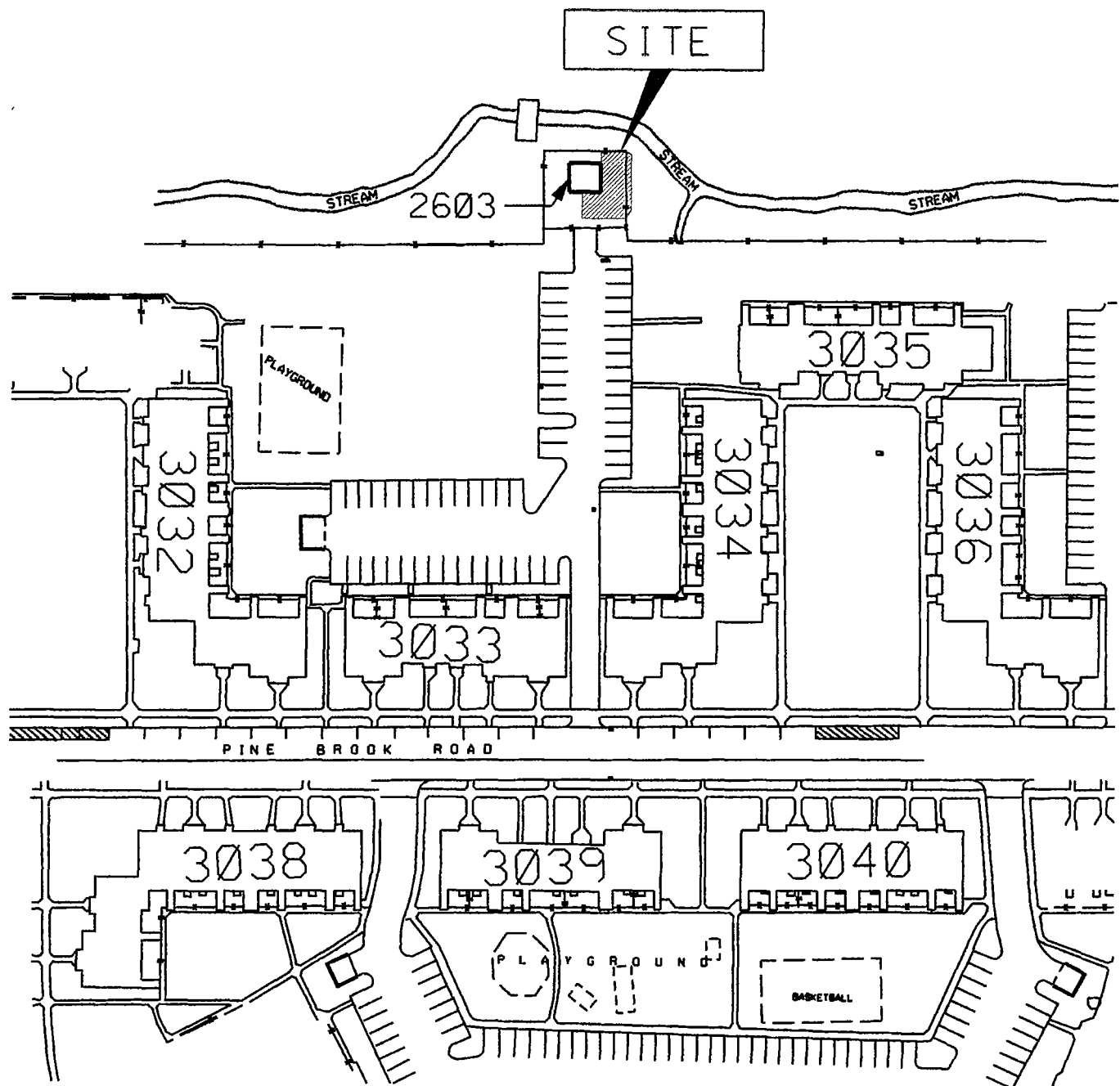


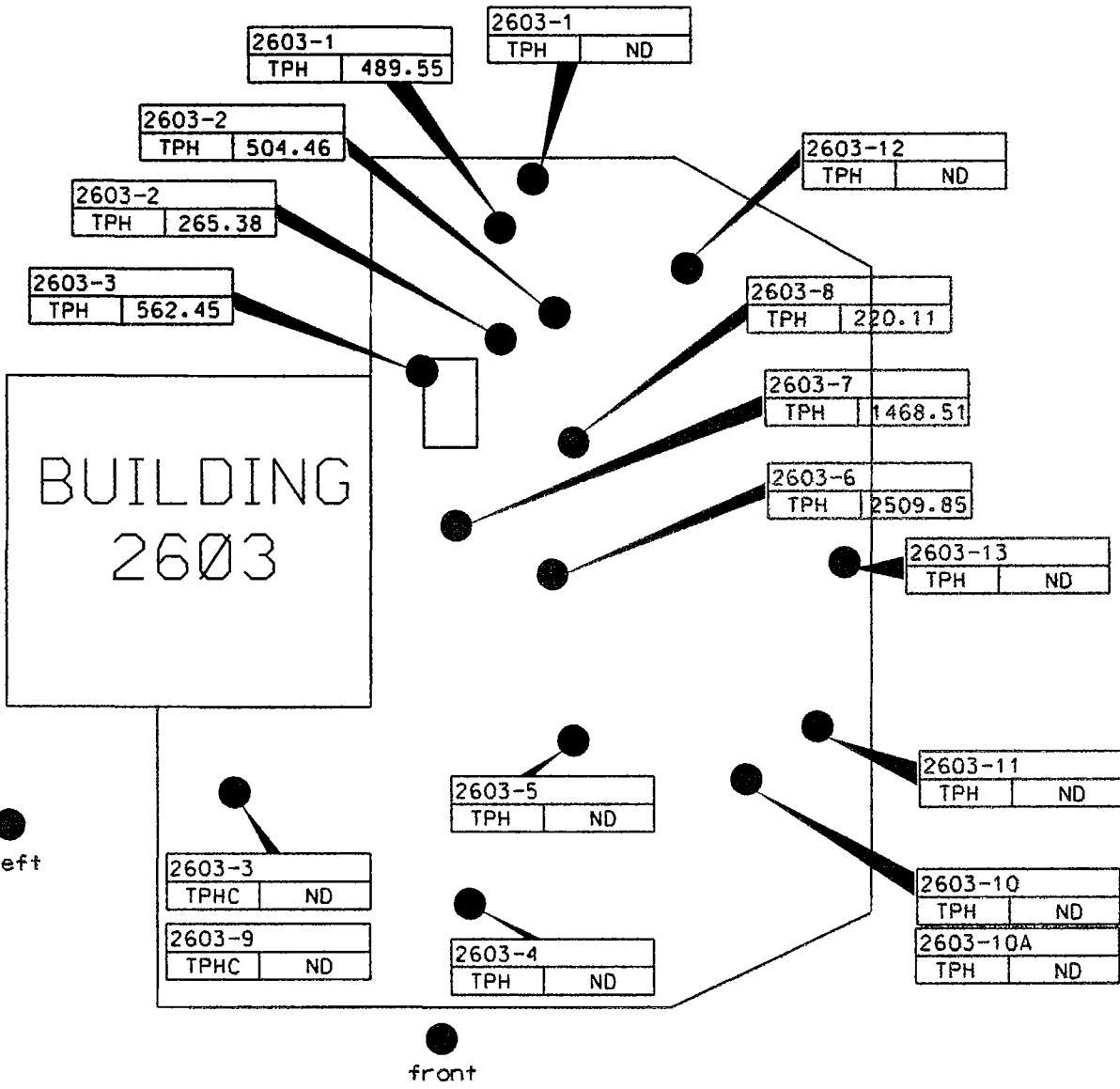
FIGURE 2  
 SITE MAP  
 BUILDING 2603  
 FORT MONMOUTH ARMY BASE  
 MONMOUTH COUNTY, NJ

VERSAR  
 ENGINEERS, MANAGERS, SCIENTISTS & PLANNERS  
 BRISTOL, PA.

SCALE: 1"=100'

DATE: OCT 2001

2603 FIG2



**LEGEND**

- SOIL SAMPLE LOCATION (4/14/98)
- SOIL SAMPLE LOCATION (3/2/99)
- SOIL SAMPLE LOCATION (3/10/99)
- SOIL SAMPLE LOCATION (3/11/99)
- SOIL SAMPLE LOCATION (3/12/99)

▭ LIMIT OF EXCAVATION

**NOTES:**

1. ALL RESULTS IN MG/KG.
2. SEE TABLE 2 FOR NJDEP SOIL CLEANUP CRITERIA
3. BGS = BELOW GROUND SURFACE



**FIGURE 3**  
**SOIL SAMPLING LOCATION MAP**  
**BUILDING 2603**  
**FORT MONMOUTH ARMY BASE**  
**MONMOUTH COUNTY, NJ**

**VERSAR**  
 ENGINEERS, MANAGERS, SCIENTISTS & PLANNERS  
 BRISTOL, PA.

SCALE: 1"=10'

DATE: APRIL 1998

2603 r104

**APPENDIX A**

**NJDEP UST REPORT CERTIFICATION FORM**

Site Remediation Program

UST Site/Remedial Investigation Report Certification Form

A. Facility Name : U.S. Army Fort Monmouth New Jersey

Facility Street Address : Directorate of Public Works Building 173

Municipality: Oceanport

County: Monmouth

Block: \_\_\_\_\_

Lot(s): \_\_\_\_\_

Telephone Number : 732-532-6224

B. Owner (RP)'s Name: \_\_\_\_\_

Street Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ Telephone Number : \_\_\_\_\_

C. (Check as appropriate)

Site Investigation Report (SIR) \$500 Fee

Remedial Investigation Report (RIR) \$1000 Fee

D. (Complete all that apply)

• Assigned Case Manager: Ian Curtis, Federal Case Manager

• UST Registration Number : 81515-60

• Incident Report Number : 98-04-16-1603-19

• Tank Closure Number: \_\_\_\_\_

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E .....Yes No

Name: Dinker Desai

Signature: \_\_\_\_\_

UST Cert. No.: \_\_\_\_\_

Firm: U.S. Army Fort Monmouth

Firm's UST Cert. Number: N/A - U.S. Army

Firm Address: Directorate of Public Works Buildings 173

City: Fort Monmouth

State: NJ

Zip: 07703

Telephone Number : 732-532-6224

(NOTE: Certification numbers required only if work was conducted on USTs regulated per N.J.S.A. 58:10A-21 et seq.)

F. Certification by the Responsible Party(ies) of the Facility:

The following certification shall be signed [according to the requirements of N.J.A.C. 7:14B-1.7(b)] as follows:

1. For a Corporation by a person authorized by a resolution of the board of directors to sign the document. A copy of the resolution, certified as a true copy by the secretary of the corporation, shall be submitted along with the certification; or
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, State, federal or other public agency by either a principal executive officer or ranking elected Official.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Name (Print or Type): James O. \_\_\_\_\_

Title: Directorate of Public Works

Signature: \_\_\_\_\_

Company Name: U.S. Army Fort Monmouth

Date: 5/18/02

**APPENDIX B**  
**WASTE MANIFESTS**



RD1 Box 5A  
 Old Bridge, N.J. 08857  
 (732) 721-0900  
 Fax (732) 721-0231

Building	# Drums	Volume (gallons)
257	3	130
752	2	70
1213	1	30
2043	2	70
2603	1	30

STANDARD COLLECTION ORDER FORM  
 192205

GENERATOR/LOCATION: U.S. Army Communications Electronics Center  
 NAME: U.S. Army Communications Electronics Center  
 INFORMATION/ATTENTION LINE: MAIN Post  
 DELIVERY ADDRESS: 16 J. FALLOU BLDG 173  
 CITY: FT. Monmouth  
 STATE: NJ ZIP: 07703  
 PHONE NUMBER: 732-532-6223  
 USA EPA ID NO. (IF APPLICABLE): NJ 3210020324

SALES ORDER # \_\_\_\_\_  
 BILL TO (IF DIFFERENT FROM LOCATION): SMC Environmental  
 NAME: SMC Environmental  
 INFORMATION/ATTENTION LINE: \_\_\_\_\_  
 DELIVERY ADDRESS: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 PHONE NUMBER: \_\_\_\_\_ PURCHASE ORDER NUMBER: \_\_\_\_\_  
 MANIFEST NUMBER: D09956

**SHIPPING INFORMATION**

This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE

**SERVICE SECTION**

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL						
40502	SLUDGE DISPOSAL	<u>ID72</u>	<u>330</u>	<u>GAL</u>			
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT					TAX	
41509	TRANSPORTATION						

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION.  
 INVOICES REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1½% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.  
 GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261. GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ID72  
 In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Print Name: Jim Fallon Title: \_\_\_\_\_  
 Signature: Jim Fallon Date: 4-22-98  
 GENERATOR/CUSTOMER

**SMALL QUANTITY GENERATOR CERTIFICATION**

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

N/A  
 GENERATOR'S SIGNATURE

**LARGE QUANTITY GENERATOR CERTIFICATION**

DEXSIL CDT TEST RESULTS  
 \_\_\_\_\_ PPM

**PAYMENT RECEIVED SECTION**

CASH <input type="checkbox"/>	TOTAL RECEIVED
CHECK NUMBER	

CUSTOMER SERVICED EVERY 30 DAYS

In accordance with 40 CFR 266 § 43(5) LORCO has notified the US EPA of its location and used oil management activities.

Print Name: Cary Bell  
 Signature: Cary Bell Date: 4-22  
 LORCO REPRESENTATIVE

CUSTOMER



RD. 1, BOX 5A - OLD BRIDGE, NJ 08857

31112 - 0000000000000000

### NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **597**  
**NJ3210030337**

Manifest Document No.

2. Page 1 of 1

**NHZ 009956**

3. Generator's Name and Mailing Address  
**U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND CENTER**  
**310 JOSEPH FALLON BLVD 173 ATTN SELF M - PW - EV**  
**FT MONMOUTH NJ 07703**

4. Generator's Phone **(732) 532-4223**

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
**FUNYONBROOKS/CECHAKE PDS**  
**OLD BRIDGE, NJ 08857**

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total Quantity

14. Unit W/Vol

a. **ASTROLEUM OIL (ASTROLEUM OIL)**  
**CONCENTRATED LIGHT UNACIDIFIED**

12. Containers  
No. Type

13. Total Quantity  
**XX330**

14. Unit W/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above  
**UNACIDIFIED**

E. Handling Codes for Wastes Listed Above  
**FOAM FILTRATION**

15. Special Handling Instructions and Additional Information  
**REGAL 87063** **EDWARDS** **INFORM TEST KIT** **REGULATION N/A**  
**MANIFEST INTEND FOR RECYCLING PURPOSES ONLY**

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name  
**Joseph M. Fallon**

Signature  
**Joseph M. Fallon** Month Day Year  
**4 22 98**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
**GARY LOBELLE**

Signature  
**Gary Lobelle** Month Day Year  
**4 22 98**

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature Month Day Year

GENERATOR

TRANSPORTER

FACILITY



RD1 Box 5A  
Old Bridge, N.J. 08857  
(732) 721-0900  
Fax (732) 721-0231

Reimbursed by UST- 99-0008

STANDARD  
COLLECTION  
ORDER FORM

227788

GENERATOR/LOCATION SALES ORDER #  
49499

BILL TO (IF DIFFERENT FROM LOCATION)

NAME		NAME	
INFORMATION/ATTENTION LINE		INFORMATION/ATTENTION LINE	
ACCOUNT APPROVAL CODE		ACCOUNT APPROVAL CODE	
DELIVERY ADDRESS		DELIVERY ADDRESS	
CITY	STATE	CITY	STATE
ZIP		ZIP	
PHONE NUMBER	PURCHASE ORDER NUMBER	PHONE NUMBER	PURCHASE ORDER NUMBER
USA EPA ID NO. (IF APPLICABLE)	STATE ID NO.		
		MANIFEST NUMBER	

SHIPPING INFORMATION

This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE
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SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL		1800	0.55			
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT	TAX					
41509	TRANSPORTATION						

\$990.00

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION.  
INVOICES REFLECTING CHARGES TO CUSTOMER

\$ 990.00

ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1 1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.  
GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261, GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ID 72  
In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Print Name Charly Appoy Title  
Signature [Signature] Date 3.5.99  
GENERATOR/CUSTOMER

SMALL QUANTITY TOTAL GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS  
PPM

PAYMENT RECEIVED SECTION

CASH <input type="checkbox"/>	TOTAL RECEIVED
CHECK NUMBER	

CUSTOMER SERVICED EVERY 30 DAYS

In accordance with 40 CFR 266 § 43(5) LORCO has notified the US EPA of its location and used oil management activities.

Print Name DAN MACKAY  
Signature [Signature] Date 3.5.99  
LORCO REPRESENTATIVE





RD. 1, BOX 5A - OLD BRIDGE, NJ 08857

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

NJ 2210020978

Manifest Document No.

19200

2. Page 1 of 1

NHZ019200

3. Generator's Name and Mailing Address

U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND  
CHARLES WOOD AREA 90 J. FALLON BLDG 173  
ATTN: SELFM-PW-BV FORT MONMOUTH, N.J. 07703  
4. Generator's Phone (732) 532-6223

5. Transporter 1 Company Name

LIONETTI OIL RECOVERY CO INC

6. US EPA ID Number

N.J.D.08.4.04.4.064

A. Transporter's Phone

908 721-0900

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

LIONETTI OIL RECOVERY CO INC DBA LORCO PETROLEUM SVCS  
RUNYON&CHEESEQUAKE RDS  
OLD BRIDGE, NJ 08857

10. US EPA ID Number

N.J.D.08.4.04.4.064

C. Facility's Phone

908 721-0900

11. Waste Shipping Name and Description

a. PETROLEUM OIL (PETROLEUM OIL)  
COMBUSTIBLE LIQUID UN1270 PGIII

12. Containers		13. Total Quantity	14. Unit Wt/Vol
No.	Type		
001	T	1.800	G

D. Additional Descriptions for Materials Listed Above

T, L PETROLEUM OIL 1 %  
WATER 99 %

E. Handling Codes for Wastes Listed Above

T04 FILTRATION

15. Special Handling Instructions and Additional Information

24 HR EMERGENCY RESPONSE # (908) 721-0900  
DECAL # 37103 ERG # 128 DEXSIL TEST KIT RESULTS 1.000 PPM  
MANIFEST USED FOR TRACKING PURPOSES ONLY

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Charles Appleby

Signature

Month Day Year

03/05/99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DAN Mac Kay

Signature

Month Day Year

03/05/99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

UST Bldg 2603 - Site Remediation

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY



RD1 Box 5A  
Old Bridge, N.J. 08857  
(732) 721-0900  
Fax (732) 721-0231

STANDARD  
COLLECTION  
ORDER FORM

227788

GENERATOR/LOCATION		SALES ORDER #	BILL TO (IF DIFFERENT FROM LOCATION)	
NAME			NAME	
INFORMATION/ATTENTION LINE		ACCOUNT APPROVAL CODE	INFORMATION/ATTENTION LINE	
DELIVERY ADDRESS		PURCHASE ORDER NUMBER	DELIVERY ADDRESS	
CITY		STATE ZIP	CITY	
PHONE NUMBER		PURCHASE ORDER NUMBER	PHONE NUMBER	
USA EPA ID NO. (IF APPLICABLE)		STATE ID NO.	PURCHASE ORDER NUMBER	
			MANIFEST NUMBER	

**SHIPPING INFORMATION**  
This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE

SERVICE SECTION							
SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL		18.00	0.55			
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT	TAX					
41509	TRANSPORTATION						

SMALL QUANTITY TOTAL \$990.00

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION.

\$ 990.00

INVOICES REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1½% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261. GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is 1272  
In accordance with the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Print Name: Charles Adams Title:   
Signature: [Signature] Date: 12-7-72  
GENERATOR/CUSTOMER

**SMALL QUANTITY GENERATOR CERTIFICATION**  
I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.  
GENERATOR'S SIGNATURE

**LARGE QUANTITY GENERATOR CERTIFICATION**  
DEXSIL CDT TEST RESULTS PPM

**PAYMENT RECEIVED SECTION**  
CASH  TOTAL RECEIVED  
CHECK NUMBER

CUSTOMER SERVICED EVERY 30 DAYS   
In accordance with 40 CFR 266 § 43(5) LORCO has notified the US EPA of its location and used oil management activities.  
Print Name: [Signature] Date: [Date]  
Signature: [Signature] LORCO REPRESENTATIVE



RD1 Box 5A  
Old Bridge, N.J. 08857  
(732) 721-0900  
Fax (732) 721-0231

STANDARD  
COLLECTION  
ORDER FORM

223387

GENERATOR/LOCATION		SALES ORDER #	BILL TO (IF DIFFERENT FROM LOCATION)	
NAME			NAME	
INFORMATION/ATTENTION LINE		ACCOUNT APPROVAL CODE	INFORMATION/ATTENTION LINE	
DELIVERY ADDRESS			DELIVERY ADDRESS	
CITY	STATE	ZIP	CITY	STATE
PHONE NUMBER	PURCHASE ORDER NUMBER		PHONE NUMBER	PURCHASE ORDER NUMBER
USA EPA ID NO. (IF APPLICABLE)	STATE ID NO.		MANIFEST NUMBER	

SHIPPING INFORMATION

This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE
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SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL	Id12	2,525	Gal.			
40502	SLUDGE DISPOSAL			0.55	1,388.75		
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT	TAX					
41509	TRANSPORTATION						
Variant Excavation - oily water							
SMALL QUANTITY TOTAL						1,388.75	

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION.  
INVOICES REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1 1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.  
GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261, GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

\$1,388.75

SMALL QUANTITY TOTAL  
GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

PAYMENT RECEIVED SECTION

CASH <input type="checkbox"/>	TOTAL RECEIVED
CHECK NUMBER	

CUSTOMER SERVICED EVERY 30 DAYS

In accordance with 40 CFR 266 § 43(5) LORCO has notified the US EPA of its location and used oil management activities.

Generator certifies that the waste is Id12  
In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Print Name: Joe Fallon Title: \_\_\_\_\_  
Signature: Joe Fallon Date: 3-5-99  
GENERATOR/CUSTOMER

LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

N/A PPM

Print Name: Don Taguinot  
Signature: Don Taguinot Date: 3-5-99  
LORCO REPRESENTATIVE



RD. 1, BOX 5A - OLD BRIDGE, NJ 08857

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>NJ3.21.0020597</b>	Manifest Document No. <b>13968</b>	2. Page 1 of	<b>NHZ 013968</b>
3. Generator's Name and Mailing Address <b>US Army Communications Electronics Command Main Post, C/O Joe Falter, Bldg 173, AHD:SEL/M-PW-EV</b>		4. Generator's Phone <b>(732) 532-6222 Fort Monmouth, NJ 07703</b>			
5. Transporter 1 Company Name <b>LIONETTI OIL RECOVERY CO INC</b>		6. US EPA ID Number <b>N.J.D.0.8.4.0.4.4.0.6.4</b>	A. Transporter's Phone <b>908 721-0900</b>		
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address <b>LIONETTI OIL RECOVERY CO. INC DBA LORCO PETROLEUM SVCS RUMYON&amp;CHEESEQUAKE RDS OLD BRIDGE, NJ 08857</b>		10. US EPA ID Number <b>N.J.D.0.8.4.0.4.4.0.6.4</b>	C. Facility's Phone <b>908 721-0900</b>		
11. Waste Shipping Name and Description			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. <b>PETROLEUM OIL (PETROLEUM OIL) COMBUSTIBLE LIQUID UN1270 PGIII</b>			No.	Type	
b.					
c.					
d.					
D. Additional Descriptions for Materials Listed Above <b>T, L PETROLEUM OIL / % WATER 99%</b>			E. Handling Codes for Wastes Listed Above <b>T04 FILTRATION</b>		
15. Special Handling Instructions and Additional Information <b>24 HR EMERGENCY RESPONSE#(908) 721-0900 DECAL 187084 ERG#128 DEXSIL TEST KIT RESULTS <u>N/A</u> PPM MANIFEST USED FOR TRACKING PURPOSES ONLY</b>					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulation for requiring proper disposal of Hazardous Waste.					
Printed/Typed Name <b>Joseph M. Fillon</b>		Signature <i>Joseph M. Fillon</i>		Month Day Year <b>10 30 1999</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Don Tagino</i>		Month Day Year <b>10 31 1999</b>	
Printed/Typed Name <b>Don Tagino</b>		Signature <i>Don Tagino</i>		Month Day Year <b>10 31 1999</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

GENERATOR

TRANSPORTER

FACILITY

GENERATOR'S COPY



RD1 Box 5A  
Old Bridge, N.J. 08857  
(732) 721-0900  
Fax (732) 721-0231

STANDARD  
COLLECTION  
ORDER FORM

223387

GENERATOR/LOCATION		SALES ORDER #		BILL TO (IF DIFFERENT FROM LOCATION)	
NAME <i>FT. Monmouth Bldg.</i>		NAME <i>Tecum-Vinnell Services</i>		NAME	
INFORMATION/ATTENTION LINE <i>2603</i>		ACCOUNT APPROVAL CODE		INFORMATION/ATTENTION LINE <i>Brian</i>	
DELIVERY ADDRESS <i>Pinebrook Rd.</i>		PURCHASE ORDER NUMBER		DELIVERY ADDRESS <i>P.O. Box 189 Accounts Payable</i>	
CITY <i>FT. Monmouth</i>		STATE <i>NJ</i>		CITY <i>FT. Monmouth</i>	
PHONE NUMBER		ZIP <i>07703</i>		PHONE NUMBER <i>532-2517</i>	
USA EPA ID NO. (IF APPLICABLE) <i>N/A</i>		STATE ID NO.		PURCHASE ORDER NUMBER <i>R99-00125</i>	
				MANIFEST NUMBER <i>013968</i>	

**SHIPPING INFORMATION**

This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE

**SERVICE SECTION**

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL	<i>1472</i>	<i>2,525</i>	<i>Gal.</i>			
40502	SLUDGE DISPOSAL			<i>0.55</i>	<i>1,388.75</i>		
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT	TAX					
41509	TRANSPORTATION						
	<i>(Waste Excavation - only water)</i>				<i>1,388.75</i>		

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION.

INVOICES REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261. GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is *T-112*  
In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Print Name *Joe Gallo* Title \_\_\_\_\_  
Signature *Joe Gallo* Date *3-5-99*  
GENERATOR/CUSTOMER

**SMALL QUANTITY GENERATOR CERTIFICATION**

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE \_\_\_\_\_

**LARGE QUANTITY GENERATOR CERTIFICATION**

DEXSIL CDT TEST RESULTS

*4/8* PPM

**PAYMENT RECEIVED SECTION**

CASH <input type="checkbox"/>	TOTAL RECEIVED
CHECK NUMBER	

CUSTOMER SERVICED EVERY 30 DAYS

In accordance with 40 CFR 266 § 43(5) LORCO has notified the US EPA of its location and used oil management activities.

Print Name *D. Taggart*  
Signature *D. Taggart* Date *3-5-99*  
LORCO REPRESENTATIVE

CUSTOMER

**APPENDIX C**

**UST DISPOSAL CERTIFICATE**



Shopper from:  
The Drawing Board  
P.O. Box 2644 • Hartford, CT 06104-2644  
Call Toll Free: 1-800-937-8839

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING  
ORIGINAL - NOT NEGOTIABLE

Shipper No. 005

SMC ENVIRONMENTAL SERVICES GROUP

Carrier No. \_\_\_\_\_

Date \_\_\_\_\_

Shipper: Red Bank Recycling (Name of Shipper)  
 Street: 64 Central Ave  
 City: Fort Monmouth (U.S. Army)  
 State: Building 2603  
 Zip: Red Bank NJ 07701  
 Origin: Eatonstown, N.J. 07724

NO	DESCRIPTION	UNIT	QUANTITY	WEIGHT (GROSS)	WEIGHT (NET)	RATE	CHARGES
①	FOR SEPAR BOX						
	1-275 GALLON U.S.T SKILL						
	TANK # 81515-60						
	Building # 2603						

REMIT C.O.D. TO: ADDRESS: \_\_\_\_\_

C.O.D. FEE: PREPAID  COLLECT

AMT: \$ \_\_\_\_\_

COD \_\_\_\_\_

NOTE: This bill is subject to the terms, conditions and regulations of the carrier. It is to be delivered to the consignee at the place of destination. It is to be delivered to the consignee at the place of destination. It is to be delivered to the consignee at the place of destination.

SHIPPER: Fort Monmouth (U.S. Army)

PER: Michael C. Powell

DATE: 5/1/98

CARRIER: SMC ENVIRONMENTAL SERVICES GROUP

RECEIVED: \_\_\_\_\_

This bill is subject to the terms, conditions and regulations of the carrier. It is to be delivered to the consignee at the place of destination.

FROM JMT ENVIRON. TECH. 610 759 6149

1995 8:52PM

**SMC Environmental Services Group**

A Subsidiary of Science Management Corporation

P.O. Box 859

Valley Forge, Pennsylvania 19482

Telephone (610) 265-2700

**CERTIFICATE OF NON-HAZARDOUS VESSEL**

FACILITY: Fort Monmouth (U.S. Army)  
Eaton town, N.J. 07724  
Building 2603

VESSEL: 275-gallon steel tank  
(Formerly diesel oil tank)

This letter is to confirm that the vessel/vessels at the above referenced location has been physically entered (if necessary), degreased, washed/cleaned, and the material contained within has been completely removed and properly disposed. As of 3:00 A.M./P.M. on 4/14/98, the above said vessel is certified gas free and has been cleaned following recommended procedures in API PUBLICATION 2015. Due to conditions that SMC Environmental Services Group has no control over, this certification is valid only until the vessel is received by the designated steel recycling facility. SMC Environmental Services Group will not be held liable for any damages which may occur after certification.

**SMC ENVIRONMENTAL SERVICES GROUP**  
**SIGNATURE OF CERTIFICATION**

David H. Daniels  
Signature

David H. Daniels / SMC Site Manager  
Print or Type Name Here

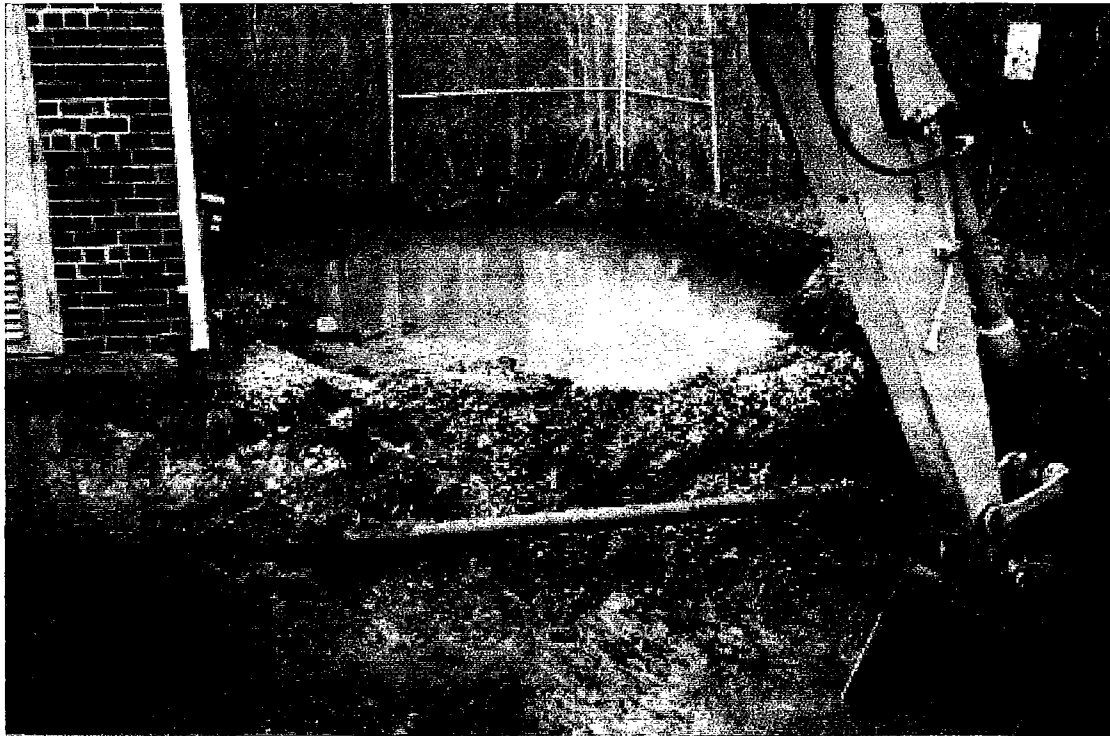


**APPENDIX D**

**SOIL AND GROUNDWATER ANALYTICAL DATA PACKAGE**

**APPENDIX E**

**PHOTOGRAPHS**



**APRIL 14, 1998**

# **PHOTOGRAPHIC LOG**

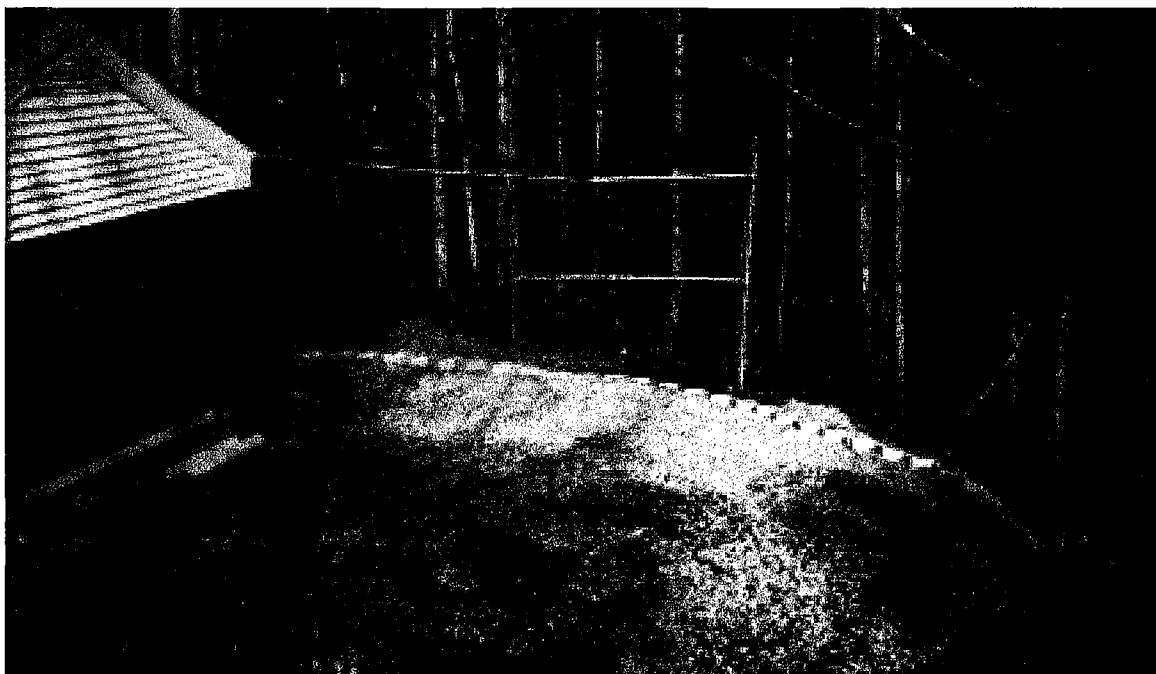
**UST NO. 81515-60**

**Building 2603  
Charles Wood  
Fort Monmouth**

**VERSAR**  
Engineers, Managers, Scientists & Planners  
Bristol, PA



Vinyl sheeting was driven along the north and east end of the excavation to prevent creek erosion and the migration of contaminants.



The vinyl sheeting is in-place and the excavation is backfilled.