FINAL
UNDERGROUND STORAGE TANK REMOVAL AND SITE ASSESSMENT REPORT

EVANS AREA, FORT MONMOUTH
WALL TOWNSHIP, NEW JERSEY
(VOLUME 1 OF 3)

Submitted to:

Directorate of Public Works, Fort Monmouth
and the
U.S. Army Materiel Command
Environmental Compliance Services
Contract No. DAAA08-94-D0007
Delivery Order No. 00069

Submitted by:

Tetra Tech EM Inc.

December 2000

DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND
AND FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF
DCSOPS-BID

December 8, 2000

New Jersey Department of
Environmental Protection
DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF FEDERAL CASE MANAGEMENT
CN 029
401 EAST STATE STREET, Floor 5
Trenton, NJ 08625 - 0028
ATTN: Ian Curtis, Case Manager

Dear Mr. Curtis:

Enclosed please find a UST Closure and Site Investigation Reports for the following Fort Monmouth-Evans Area underground storage tank sites:

NJDEP Reg. #	Bldg. #	NJDEP Reg. #	Bldg. #
192468-1	9002	90029-3	9009
192468-2	9003	90029-30	9090
192468-3	9116	90029-31	9100
192468-4	9162	90029-32	9307
192468-5	9196	90029-34	9392
90029-1	9001	90029-35	9401
90029-10	9025	90029-36	9061
90029-11	9028-A	90029-38/39	9099
90029-12	9030	90029-4	9012-A
90029-13	9031	90029-40	9392
90029-14	9033	90029-41	9057-B
90029-15	9035	90029-42	9028-B
90029-16	9038	90029-43	9028-C
90029-17	9041	90029-44	9012-B
90029-18	9045	90029-45	9057-A
90029-19	9047	90029-5	9014
90029-2	9006	90029-6	9017
90029-20	9049	90029-7	9019
90029-21	9051	90029-8	9021
90029-22	9053	90029-9	9023
90029-23	9055	Assessment	9007
90029-24	9059	Assessment	9112/91-14
90029-27	9064	Assessment	Various
90029-28	9079		

The reports request "No further action". As required by the by the New Jersey Technical Regulations, all UST's sampled after January 18,1998 have the required GPS data locations included within the report. Complete electronic data deliverables are included for the first 36 UST's listed in the table above. In addition, two reports of remedial investigation activities at Buildings 9007 and 9401 and two reports of exploratory work are also included (electronic data deliverables will be delivered to you within two weeks). Lastly, electronic versions of seven previous reports already reviewed by the NJDEP have also been included for you reference.

The Army intends to transfer the property (Parcels B, C and D), which includes the above-referenced UST's, prior to April 2001. To do this, we require "No Further Action" determinations for these UST'S before January 9, 2000.

If the information provided in this enclosure is inadequate or you require further information with regard to these documents please contact me at (732) 239-2427.

Sincerely,

Charles Appleby
BRAC Environmental Coordinator
Environmental Protection Specialist
NJDEP Subsurface Evaluator Lic. # 2056

CC: UST File Copy
NYCOE / Kemron Inc.
Tetra Tech EM Inc.

Tetra Tech EM Inc.

1800 John F. Kennedy Blvd., Sixth Floor ◆ Philadelphia, PA 19103 ◆ (215) 972-0444 ◆ FAX (215) 972-0484

December 8, 2000

Mr. Charles Appleby
Directorate of Public Works
Fort Monmouth Army Base
Building 173
Eatontown, NJ 07703

Subject: **Final Report**
AMC Contract No. DAAAA08-94-D-0007
Delivery Order No. 0069
Underground Storage Tank Removal and Site Assessments
Evans Area, Fort Monmouth, NJ

Dear Chuck:

Enclosed is one copy of the final report summarizing the activities completed at the Evans Area under the referenced contract and delivery order. The report summarizes the activities completed and includes tab sections for each of the 36 underground storage tank (UST) removals, the exploratory test trenching activities, work completed at the 9112 transformer area, and the remediation of petroleum contaminated soil at Buildings 9007 and 9401. The draft report, dated July 1999, has been revised to reflect conversations with and comments received from Fort Monmouth in August 1999 as well as additional fieldwork performed under this delivery order.

Tetra Tech has included copies of the signed SAS forms in the report.

Each tab section is complete except for the analytical data tables for the volatile organic compound (VOC) and semi-volatile organic compound (SVOC) sampling and electronic data deliverables for Building 9007 and 9401, Area 112/9114 (the transformer area), and exploratory test trench/Geoprobe sampling. (Note: All of the VOC and SVOC data were below NJDEP cleanup criteria). This information will be forwarded in a few days.

Following a review, Tetra Tech will, if necessary, make final revisions to address any comments from Fort Monmouth DPW and the New Jersey Department of Environmental Protection.

Please contact me at (973) 983-0507, Ext. 230, if you have any questions or require any additional information.

Sincerely,

Kevin J. Phelan

Kevin J. Phelan
Project Manager

Enclosure

Cc: Dinker Desai, Fort Monmouth (letter only)
Joe Waring, AMC (letter only)
Rob Foster, Tetra Tech
John Ferrante, Tetra Tech
Doug Sullivan, Tetra Tech

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EXECUTIVE SUMMARY

From September 1997 through February 1998, 36 underground storage tanks (UST) were removed at the Evans Area of Fort Monmouth in Wall Township, New Jersey. This work was completed in accordance with Fort Monmouth's generic "UST Management and Decommissioning/Closure Plan," dated March 1996, previously approved by the New Jersey Department of Environmental Protection (NJDEP). Decommissioning activities complied with all applicable federal, state, and local laws and ordinances in effect at the time of decommissioning.

The USTs removed ranged in capacity from 550 to 10,000 gallons. Two of the USTs contained diesel fuel, and the remaining USTs stored no. 2 heating oil. Site assessments at each UST were performed by Tetra Tech EM Inc. (Tetra Tech). All sampling and laboratory analysis conducted during the site assessment was performed in accordance with the NJDEP "Technical Requirements for Site Remediation" (New Jersey Administrative Code [N.J.A.C] 7:26E) and the NJDEP "Field Sampling Procedures Manual." This included visual examination of the excavation and screening of the soils with a photoionization detector (PID) and flame ionization detector (FID). Photographs of each excavation were taken to document site conditions, and Tetra Tech collected soil samples from each location in accordance with NJDEP protocol. The soil samples were submitted to the Fort Monmouth, Directorate of Public Works, Environmental Testing Laboratory, operated by TECOM-Vinnell Services, Inc., for analysis.

Eight of the 36 USTs removed showed evidence of having leaked. Holes in the USTs at buildings 9009, 9019, 9031, 9051, 9053, 9055, 9064, and 9196 caused significant soil contamination. In addition, the USTs at buildings 9006 and 9012(B) impacted soil during apparent spillages or overfilling. In addition to removing known USTs, Tetra Tech conducted exploratory test trenching and Geoprobe sampling in other areas suspected as having USTs at one time or another. Overall, contaminated soil associated with the USTs was relatively limited, and all contaminated soil associated with the USTs has been removed. A total of 2,217 cubic yards of soil was removed from the UST excavations and exploratory test trenching and transported off site to Earle Environmental Corporation in Jackson, New Jersey, for recycling as asphalt road material.

Based on the soil samples collected during the Geoprobe borings and the groundwater samples collected from the two new monitoring wells FEMW-14 and FEMW-13, soil and groundwater at the electrical substation/transformer area 9112, just south of building 9114, is not impacted with petroleum compounds. This area is suspected as potentially having a kerosene UST located beneath the transformer pad.

During the winter and summer of 2000, Tetra Tech performed remedial excavations at Buildings 9007 and 9401. The contamination at Building 9007 could not be traced to a specific source, but is believed to be the result of a former UST, a spill, poor quality backfill, or a combination of these scenarios. While some levels of total petroleum hydrocarbon (TPHC) remain in the soil, volatile organic compound (VOC) sampling was also performed and confirmed that any contamination present does not exceed NJDEP soil cleanup criteria. The contamination at Building 9401, however, was traced to a former UST which had previously been removed in 1991. Tetra Tech removed the contaminated soil from this location and any traces of petroleum compounds in the soil are well below the cleanup criteria.

Based on the postexcavation sampling results, soils with TPHC concentrations exceeding the NJDEP soil cleanup criteria do not exist in the locations of the former USTs or associated piping. In fact, soils in the vicinity of the USTs were excavated if they exhibited TPHC concentrations exceeding 1,000 milligrams per killigram (mg/kg), even though the NJDEP cleanup criterion is 10,000 mg/kg for total organic contaminants. No source areas remain associated with the USTs, and no further action is necessary in regard to the closure and site assessment of these USTs.

1.0 INTRODUCTION

Tetra Tech EM Inc. (Tetra Tech) is submitting this draft report to the Directorate of Public Works (DPW) at Fort Monmouth in response to Delivery Order (DO) 0029 under Contract No. DAAA08-94-D0007, the Army Materiel Command (AMC) Environmental Compliance Services Contract. The report summarizes the underground storage tank (UST) removal activities completed at the Evans Area of Fort Monmouth. Work included the removal and assessment of 36 USTs, exploratory test trenching and Geoprobe sampling in other areas suspected as having USTs at one time or another, and the disposal of contaminated soil encountered during the work.

The Evans Area is located in Wall Township, approximately 10 miles south of the main post of Fort Monmouth and is undergoing closure under the Defense Base Realignment and Closure Act (BRAC). The location of the Evans Area relative to the surrounding area is presented in Figure 1. The facility is currently occupied, and the withdrawal of activities and personnel is ongoing. Approximately 31 USTs of various sizes (with capacities ranging from 550 to 10,000 gallons) were purportedly located within the Evans Area. Of these tanks, 30 were believed to contain fuel oil (no. 2 heating oil), and one reportedly contained diesel fuel. In addition to the known USTs, approximately 15 additional suspected USTs were initially identified as potentially remaining within the Evans Area after a review of facility records.

In addition to UST removals, Tetra Tech installed aboveground storage tanks (AST) at several buildings to be reused by Wall Township following closure of the facility. The ASTs were necessary to supply heating oil and fuel to the buildings designated as reuse buildings. The ASTs were plumbed to the respective furnaces so that they could be operational by the late fall 1997.

At the request of Fort Monmouth, Tetra Tech also performed soil remediation at two buildings where significant petroleum contamination was present.

Tetra Tech was the prime contractor responsible for the completion of site activities. SMC Environmental Services Group (SMC), a subcontractor to Tetra Tech, physically removed each of the USTs and performed the exploratory test trenching. T. A. Elonis, Inc. (Elonis), installed the ASTs under subcontract to SMC. Analytical services were performed by the Fort Monmouth Environmental Testing Laboratory, operated by TECOM-Vinnell Services, Inc. (TVS).

This report summarizes the results of Tetra Tech's implementation of Fort Monmouth's generic "UST Management and Decommissioning/Closure Plan," dated March 1996, previously approved by the New Jersey Department of Environmental Protection (NJDEP) (Fort Monmouth 1996). Decommissioning activities complied with all applicable federal, state, and local laws and ordinances in effect at the time of decommissioning.

1.1 OBJECTIVES

The objectives of site activities were as follows:

- Identify all present UST locations and remove and asses all UST sites
- Investigate other areas suspected as having USTs or ASTs at one time or another

- Remove any contaminated soil associated with these areas

1.2 SCOPE OF WORK

To accomplish the objectives, the following scope of work was implemented:

- Tetra Tech reviewed available historical site information and files, and interviewed available knowledgeable personnel, to identify all present and former UST locations.
- All suspect areas identified during the initial inventory work were assessed to determine whether USTs and/or soil contamination was present in those areas; this was accomplished by test trenching and Geoprobe sampling.
- Tetra Tech removed all known USTs and performed site assessments in accordance with NJDEP regulations.
- Contaminated soil encountered during the site assessments was excavated and transported off site for disposal.
- ASTs were installed as a fuel source at selected reuse buildings.
- Soil remediation and site assessments were also performed at two locations not associated with the UST removals where soil contamination was present.

1.3 REPORT ORGANIZATION

The report is organized as follows:

Section 1 of the report discusses the objectives and scope of work completed. Section 2 presents background information including a description of the Evans Area and historical site activities, local geology and water supply information, and a brief summary of previous relevant environmental investigations completed at the Evans Area. Section 3 summarizes the field activities performed by Tetra Tech, and Section 4 presents a summary and conclusions based on the work completed. Section 5 lists material referenced in the report.

Specific information and analytical results for each UST removal and exploratory test trenching and Geoprobe sampling of suspect areas are included as individual tab sections in Section 6. The actual laboratory data and data reports are maintained on file at the DPW facility at the main post of Fort Monmouth.

2.0 BACKGROUND

This section summarizes relevant historical site use, hydrogeology, and previous investigations at the Evans Area.

2.1 SITE DESCRIPTION AND HISTORY

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County (see Figure 1). The installation contains three subposts (Charles Wood, Evans, and Oakhurst Tower) within a 12-mile radius of the main post.

The Evans Area (also referred to as Camp Evans) is approximately 10 miles south of the main post, within Wall Township. The Evans Area is bounded on the north by Brighton Avenue, on the east by Marconi Road and a residential development, on the south by Belmar Boulevard, and on the west by a residential development. The site layout is shown in Figure 2. The Evans Area consists of approximately 215 acres, 156 acres (72 percent) of which are designated for research, development, and testing. The remaining acreage on the subpost is mostly devoted to open space (21 percent). Administration, housing, and storage areas comprise the remainder of the area (CH2M Hill 1996; The Earth Technology Corporation [Earth Tech] 1994).

The Evans Area is surrounded by a mix of residential and commercial development of varying densities. To the northeast, the installation borders Shark River. The area of Wall Township adjacent to the Evans subpost is characterized by older residential development on relatively small lots.

The topography of the Evans Area ranges from approximately 80 feet above mean sea level (msl) in the southern portion of the site to 2 feet above msl along Shark River. The central portion of the Evans Area is relatively flat with an average elevation ranging from 70 to 80 feet above msl. There is a relatively steep grade behind the residential properties down to Shark River along the northeast boundary of the Evan Area (see Figure 2). Laurel Gully Brook divides the Evans subpost. The brook is incised into unconsolidated sediments, forming a steep ravine approximately 175 feet wide (Earth Tech 1994; CH2M Hill 1996).

Heat at the Evans Area has primarily been generated by individual boiler systems fueled by no. 2 fuel oil, primarily stored in USTs and lesser numbers of ASTs.

2.2 LOCAL GEOLOGY, HYDROGEOLOGY, AND WATER SUPPLY

The following is a description of the geological and hydrogeological setting of the area. The regional geology of the area surrounding Fort Monmouth as well as the local geology and hydrogeology of the Evans Area are described. Much of this information has been paraphrased from previous environmental reports by CH2M Hill and Earth Tech (CH2M Hill 1996; Earth Tech 1994).

2.2.1 Regional Geology

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

In general, New Jersey Coastal Plain formations consist of a seaward-dipping wedge of unconsolidated deposits of clay, silt, and gravel. These formations typically strike northeast-southwest with a dip ranging from 10 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks. These sediments, predominantly derived from deltaic, shallow marine, and continental shelf

environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units that are generally thicker to the southeast and reflect a deeper water environment. Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (for example, the Englishtown and Kirkwood formations, and the Cohansey Sand), while the transgressive deposits act as confining units (for example, the Merchantville, Marshalltown, and Navesink formations). The individual thicknesses for these units vary greatly (that is, from several feet to several hundred feet).

2.2.2 Local Geology

A profile of the soils at the Evans subpost has been developed based on previous investigations conducted at the Evans Area. There are thin, surficial deposits of artificial fill, disturbed sediments, and alluvial deposits consisting of sand, clay, silt, and gravel. These surficial deposits are underlain by the Kirkwood Formation, which consists of quartz sand interbedded with and overlying dark-gray to brown clay-silt ranging in depth from 0 to 103 feet below grade. This Kirkwood consists of a basal and upper unit. The basal unit is sand with some pebbles, brown lignitic silt, or very fine sand. The upper unit is characterized by light gray to yellowish-brown, very fine quartz sand containing quartz granules and small pebbles. The Kirkwood serves as an aquifer in southeastern Monmouth County. General movement of water in the aquifer is to the southeast toward the Manasiquar River, Shark River, and Ocean County. The Kirkwood Formation, which is approximately 74 feet thick, is underlain by the Shark River and the Manasquan formations. The Shark River and Manasquan formations, along with the subjacent Vincentown, Homerstown, and Navesink-Red Bank formations, typically comprise low-permeability sediments. The sediments consist of silty and clayey glauconitic quartz sands.

The Mount Laurel and Wenonah formations underlie the low-permeability sediments at approximately 425 feet below grade. The Marshalltown Formation underlies these formations and, together with the bottom of the Wenonah-Formation, acts as a confining layer for the Wenonah-Mount Laurel aquifer. The Englishtown Formation underlies the Marshalltown Formation at 560 to 780 feet below grade. The underlying formations are the Merchantville-Woodbury, Cheesquake, and Magothy formations.

No information is available regarding the bedrock geology at the Evans Area. Bedrock in the area of the Evans subpost is estimated to be 1,300 feet below grade (CH2M Hill 1996).

2.2.3 Local Hydrogeology and Water Supply

There are two sources of groundwater at the Evans subpost: the shallow Kirkwood-Cohansey aquifer and two deep aquifers known as the Wenonah-Mount Laurel and Englishtown aquifers. The deep aquifers are approximately 425 and 560 feet below grade, respectively. The upper aquifer is a water table aquifer and is not under piezometric pressure. Because of thin silty-clay lenses, there are localized areas of perched water. Groundwater discharge tends to move laterally above the silty-clay zones before recharging the aquifer.

Numerous monitoring wells have been installed at the Evans Area as part of previous investigations and an ongoing groundwater monitoring program. Groundwater is encountered at approximately 20 to 30

feet below ground surface (bgs) in the Evans Area and at shallower depths closer to Shark River. Data from these monitoring wells indicate that the aquifers are influenced by tidal changes in Shark River. Groundwater on site generally flows northeast, toward Shark River. It is influenced in the northern portion of the subpost by the Laurel Gully Brook.

Wall Township receives its water from the Manasquan Reservoir and eight wells that are located in the Wenonah-Mount Laurel and Englishtown aquifers. These aquifers provide approximately 300,000 to 400,000 gallons per day (gpd).

Three of the municipal supply drinking water wells (Imperial Park Plant) used by Wall Township are located adjacent to the Evans Area. Imperial Park 1 is located at the corner of Lincoln and Taft Streets, along the southern boundary of the Evans Area. Imperial Park 2 is located at the end of Washington Street, west of the main Evans Area parking lot. Imperial Park 3 is located in Building 9082 (leased from Fort Monmouth), along the eastern boundary of the Evans Area near Evans Road.

The Wall Township Imperial Park Plant supplies approximately 7,700 houses in the community including the Evans Area. The combined pumping rate varies from approximately 300,000 to 400,000 gallons per day (gpd). The Wall Township groundwater supply is supplemented with surface water from the Manasquan River Reservoir, which is located approximately 5 miles south of the Evans Area. The amount of water purchased from the reservoir varies from approximately 2.3 million gpd in summer to 1.8 million gpd in winter. Prior to distribution, water is treated with chlorine and Triplus (a biodegradable powdered water softener). (Earth Tech 1994, CH2M Hill 1996).

2.3 PREVIOUS INVESTIGATIONS

Recent environmental investigations completed for the Evans Area include the following:

- A January 1994 enhanced preliminary assessment report prepared by Earth Tech
- A March 1996 report on disposal and reuse of the Evans subpost, prepared by CH2M Hill in conjunction with the draft environmental impact statement
- A May 1996 supplemental site inspection report prepared by Earth Tech

Overall, these investigations dealt mainly with characterizing baseline environmental conditions at the Evans Area for closure of the facility under BRAC, and did not include assessment and removal of the USTs.

3.0 FIELD ACTIVITES

The activities conducted, procedures followed, and results of the field work are discussed in the following subsections. Site plans of the Evans Area are presented as Figure 3A - Evans Area North and Figure 3B - Evans Area South. Figures 3A and 3B show the locations of the removed USTs and the suspect areas investigated by test trenching and Geoprobe sampling.

The NJDEP health-based soil cleanup criterion is 10,000 milligrams per kiligram (mg/kg) for total organic contaminants. In an effort to be more conservative, Fort Monmouth requested that Tetra Tech remove any soil contaminated with a concentration of total petroleum hydrocarbons (TPHC) greater than 1,000 mg/kg.

All soil samples were collected for analysis of TPHC and total solids. If TPHC concentrations exceeded the 1,000 mg/kg action level used by Fort Monmouth, additional excavation was performed to remove this material and additional post-excavation sampling was performed to vertify that TPHC concentrations in soil were less than 1,000 mg/kg. If on-site conditions (such as potentially undermining a building) prevented additional soil removal, additional samples were also collected for volatile organic compound (VOC) analysis. At the request of Fort Monmouth, additional sampling was performed in certain areas for semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and TAL metals.

All samples were analyzed by the Fort Monmouth DPW Environmental Testing Laboratory operated by TVS. This laboratory is a New Jersey-certified laboratory.

3.1 SITE RECONNAISSANCE, FILE REVIEWS, AND TANK INVENTORY

Tetra Tech completed a thorough reconnaissance of the entire Evans Area to visually locate additional suspect USTs (fill pipes, vent pipes, furnaces, etc). This work was completed in August 1997. In addition, Tetra Tech reviewed available design and as-built drawings for the buildings at the Evans Area to identify additional suspected tanks. Over thirty suspected tank locations were identified for exploratory test trenching.

In addition to the file review, Tetra Tech also visited the Monmouth County Planning Board in Freehold, New Jersey to review historical aerial photography available in the planning board's files. Tetra Tech obtained copies of aerial photography from 1962, 1969, 1974, and 1986. The aerial photographs are maintained on file at the DPW facility at the main post.

Fort Monmouth maintains an inventory of its USTs. According to file information, the Evans facility had approximately 50 USTs. The inventory identifies tank locations, sizes, contents, and removal actions. The USTs were primarily used for no. 2 heating fuel. Approximately four USTs were used for gasoline, one for waste oil, and one for diesel fuel. These USTs have been registered with the NJDEP Bureau of Underground Storage Tanks. The following buildings were identified as having USTs (either present or past):

9001	9023	9046	9059	9162
9002	9028 (three USTs)	9047	9061 (two USTs)	9196
9003	9030	9049	9063	9307
9006	9031	9051	9064	9332
9009	9033	9055	9079	9359
9012 (two USTs)	9035	9057 (two USTs)	9089	9392
9014	9038	9059	9090 (two USTs)	9401
9017	9041	9061 (two USTs)	9100	
9019	9044	9063	9114	
9021	9045	9064	9116	

An inventory was also completed for the ASTs on site. Table 1 presents the AST inventory information.

TABLE 1

ABOVEGROUND STORAGE TANK INVENTORY
EVANS AREA, FORT MONMOUTH, NEW JERSEY

Building ID	Size	Observations
9031 North side	275 gallons	No concrete pad, no staining
9089	Two tanks (275 and 550 gallons)	No signs of staining
9044	275 gallons	Staining on asphalt
9345	275 gallons	No signs of staining
Between 9009 and 9610	Three tanks (275 gallons)	No signs of staining
9094 South side	275 gallons	No signs of staining
9083 South side	Two tanks (275 gallons)	No signs of staining
9046 East side	275 gallons	No signs of staining
Between 9061 and 9619	500 gallons	No signs of staining

3.2 TEST TRENCHING AND SAMPLING OF SUSPECT AREAS

One of the primary objectives of the work was to examine and assess any areas of suspected USTs or ASTs; therefore, exploratory test trenches were excavated or Geoprobe borings were advanced and soil samples were collected at these areas to confirm whether tanks remained and whether soil contamination was present. Specific details, photographs, and laboratory data are presented in the tab section for exploratory test trenching included in Section 6.

Suspect areas were investigated around the following buildings:

9004	9029	9061	9110
9005	9030	9087	9111
9006	9031	9089	9113
9015	9035	9090	9307
9019	9041	9091	9392
9021	9043	9092	Buildings off Watson Avenue
9023	9057	9100	The hazardous waste storage area
9027	9059	9105	

Figures 3A and 3B present base maps of the Evans Area showing specific building locations as well as the locations of individual USTs relative to the buildings. The locations of exploratory test trenches excavated as part of this work are also included in these figures. Based on the results of the activities discussed in Section 3.1, exploratory test trenches were excavated at locations with potential or suspected USTs. Some of the key findings were as follows:

- Fort Monmouth requested that Tetra Tech document the condition of soil in all areas of existing ASTs or suspected past AST and UST areas. Existing ASTs were not removed. Samples were collected beneath the ASTs. Tetra Tech did not sample the asphalt or concrete under an AST; however, the surface condition was documented (Table 1).

- Extensive soil contamination was encountered at the area of a former AST near building 9004. An estimated 60 cubic yards (CY) of soil was excavated and removed off site for disposal.

- An abandoned 4,000-gallon UST was uncovered at building 9012. Investigation determined that apparently the tank was abandoned by cutting a hole in the top and placing sand into the tank without removing the product. This led to soil contamination around the top and sides of the tank, as well as the sand placed in the tank.

- Soil contamination associated with a former UST was encountered at building 9090. This material was excavated, sampled, and backfilled with clean fill.

3.3 UNDERGROUND STORAGE TANK REMOVALS

Thirty-six USTs were removed from September 1997 through February 1998, and all site assessment work was performed by Tetra Tech and SMC.

Before the removal of any USTs, the DPW notified the NJDEP case manager of upcoming UST removal activities. All UST removal activities followed NJAC 5:23, the American Petroleum Institute (API) Recommended Practice 1604 entitled "Removal and Disposal of Used Underground Petroleum Storage Tanks," dated December 1987, and the Fort Monmouth DPW "UST Management and Decommissioning/Closure Plan (Standard Operating Procedure 19)" dated March 1996 (Fort Monmouth 1996), previously approved by the NJDEP. All UST removal and assessment activities were conducted under the supervision of a person certified by the NJDEP for UST closure and subsurface evaluation. This individual was either from Tetra Tech, SMC, or the DPW. The individual UST reports are included as tab sections and identify the specific supervisor for each tank removal along with their NJDEP licensee number.

Before an UST was removed, all removable product was pumped from the tank by an NJDEP-licensed and DPW-approved waste transporter. This was typically done by either TVS or the Lionetti Oil Recovery Company, Inc. (LORCO). The product was either reused in other tanks at the base, recycled, or disposed of as appropriate. Following removal of product, tank residues were removed by a vacuum truck or vacuum pump.

After product and residues were removed, the fill pipes, gauge pipes, pumps, and other associated tank fixtures were removed. Openings to any associated structures (that is, buildings and furnaces) were sealed. Once the top of the tanks were uncovered, an entryway was cut into each tank for cleaning. After the tanks were emptied, they were squeegeed and wiped clean by hand. All cleaning materials and personal protective equipment (PPE) generated during tank cleaning and removal operations was drummed for subsequent disposal off site.

All USTs were excavated and removed for off-site disposal with the exception of the suspected UST at location 9112/9114 (the main electrical substation for the Evans Area). This UST was suspected to be a 1,000-gallon tank storing kerosene. A large transformer pad and transformers are now located above the location of this tank, so removal of the UST was impractical. Site assessment activities for this location are discussed in tab section 9112/9114. These activities were approved by the NJDEP case manager, Mr. Ian Curtis.

3.4 SITE ASSESSMENTS

During UST removal and/or soil remediation activities, all visual signs of contamination were noted and documented, and any confirmed releases were reported immediately to the DPW and NJDEP. Soils beneath the former tanks were assessed according to NJDEP requirements for testing and analysis. All soil samples were submitted to the Fort Monmouth Environmental Testing Laboratory, operated by TVS. This laboratory is an NJDEP-certified laboratory for soil and groundwater sample analyses. Approved and appropriate NJDEP analytical methods and quality controls were used for all UST sampling and site assessments. Where appropriate, groundwater monitoring wells were installed to evaluate any potential impacts to groundwater associated with a release from the USTs.

Soil surrounding each tank was screened visually and with air monitoring equipment for volatile organic vapors and contamination using both a photoionization detector (PID) and a flame ionization detector (FID). Any tank removed from the excavation was placed on polyethylene sheeting for cleaning and to be cut and transported to a scrap recycle yard. Before cleaning, the tank was inspected for corrosion holes by the NJDEP-certified subsurface evaluator.

After the excavations, Tetra Tech implemented the site assessment required by NJDEP. All sampling and laboratory analysis conducted during the site assessment was performed in accordance with the NJDEP "Technical Requirements for Site Remediation" (N.J.A.C 7:26E) and the NJDEP "Field Sampling Procedures Manual". This included visual examination of the excavation and screening of the soils with a PID and FID. Photographs of each excavation were taken to document site conditions. Select photographs of each UST removal or site remediation/site assessment are included within the individual tab section in Section 6. The NJDEP-certified subsurface evaluator then collected soil samples from each location in accordance with NJDEP protocol. The soil samples were submitted to the DPW Environmental Testing Laboratory for analysis.

Following removal of all contaminated soil from an excavation and documentation from the analytical laboratory that the concentrations in the soil samples were below NJDEP and DPW cleanup criteria, the excavations were backfilled to grade with clean sand and gravel and/or roadbase stone, if applicable, and compacted using mechanical equipment. Materials used for backfill were obtained from areas adjacent to the UST location as well as from the New Jersey Sand and Gravel Company in Wall, New Jersey.

Table 2 summarizes specific information associated with each UST removal and site assessment.

TABLE 2

UNDERGROUND STORAGE TANK REMOVAL INFORMATION
EVANS AREA, FORT MONMOUTH, NEW JERSEY
Page 1 of 2

Building	NJDEP UST Registration	UST Size (gallons)	UST Material	Tank Product	Date Removed	Leaker/ Nonleaker	Estimated Quantity of Contaminated Soil (Cubic Yards)
9307	90029-32	1,000	Steel	No. 2 Fuel Oil	9/10/97	Nonleaker	25
9162	192468-4	1,000	Steel	No. 2 Fuel Oil	9/17/97	Nonleaker	5
9116	192468-3	1,000	Steel	No. 2 Fuel Oil	9/19/97	Nonleaker	5
9196	192468-5	1,000	Steel	No. 2 Fuel Oil	9/19/97	Leaker	100
9003	192468-2	550	Steel	No. 2 Fuel Oil	9/23/97	Nonleaker	5
9006	90029-2	4,000	Steel	No. 2 Fuel Oil	9/25/97	Nonleaker	80
9059	90029-24	550	Steel	No. 2 Fuel Oil	10/1/97	Nonleaker	<5
9031	90029-13	550	Steel	No. 2 Fuel Oil	10/2/97	Leaker	230
9028(C)	90029-43	550	Steel	No. 2 Fuel Oil	10/22/97	Nonleaker	10
9028(B)	90029-42	1,000	Steel	No. 2 Fuel Oil	10/22/97	Nonleaker	5
9014	90029-5	1,000	FRP	No. 2 Fuel Oil	10/27/97	Nonleaker	0
9012(B)	90029-44	4,000	Steel	No. 2 Fuel Oil	10/31/97	Nonleaker	110
9057(A)	90029-41	550	Steel	Diesel	11/6/97	Nonleaker	15
9057(B)	90029-45	1,500	Steel	Diesel	11/6/97	Nonleaker	15
9035	90029-15	2,000	FRP	No. 2 Fuel Oil	11/18/97	Nonleaker	<5
9030	90029-12	2,000	FRP	No. 2 Fuel Oil	11/21/97	Nonleaker	0
9019	90029-7	1,000	Steel	No. 2 Fuel Oil	11/25/97	Leaker	90
9028(A)	90029-11	2,000	FRP	No. 2 Fuel Oil	12/2/97	Nonleaker	0

TABLE 2 (continued)

UNDERGROUND STORAGE TANK REMOVAL INFORMATION
EVANS AREA, FORT MONMOUTH, NEW JERSEY
Page 2 of 2

Building	NJDEP UST Registration	UST Size (gallons)	UST Material	Tank Product	Date Removed	Leaker/ Nonleaker	Estimated Quantity of Contaminated Soil (Cubic Yards)
9021	90029-8	550	Steel	No. 2 Fuel Oil	12/5/97	Nonleaker	10
9100	90029-31	1,000	Steel	No. 2 Fuel Oil	12/8/97	Nonleaker	10
9025	90029-10	550	Steel	No. 2 Fuel Oil	12/12/97	Nonleaker	20
9009	90029-3	1,000	Steel	No. 2 Fuel Oil	12/15/97	Leaker	35
9079	90029-28	550	Steel/FRP	No. 2 Fuel Oil	12/18/97	Nonleaker	20
9392	90029-34	1,000	Steel	No. 2 Fuel Oil	12/22/97	Nonleaker	20
9023	90029-9	550	Steel	No. 2 Fuel Oil	12/29/97	Nonleaker	15
9045	90029-18	1,000	Steel	No. 2 Fuel Oil	1/5/98	Nonleaker	20
9053	90029-22	1,000	Steel	No. 2 Fuel Oil	1/8/98	Leaker	70
9001	90029-1	4,000	Steel	No. 2 Fuel Oil	1/14/98	Nonleaker	30
9033	90029-14	6,000	FRP	No. 2 Fuel Oil	1/22/98	Nonleaker	40
9041	90029-17	10,000	FRP	No. 2 Fuel Oil	1/27/98	Nonleaker	<5
9055	90029-23	1,000	Steel	No. 2 Fuel Oil	1/30/98	Leaker	30
9012(A)	90029-4	10,000	FRP	No. 2 Fuel Oil	2/3/98	Nonleaker	15
9064	90029-27	6,000	FRP	No. 2 Fuel Oil	2/9/98	Leaker	40
9038	90029-16	10,000	FRP	No. 2 Fuel Oil	2/19/98	Nonleaker	<5
9051	90029-21	1,000	Steel	No. 2 Fuel Oil	2/25/98	Leaker	30
9047	90029-19	1,000	Steel	No. 2 Fuel Oil	2/27/98	Nonleaker	15

3.5 INSTALLATION OF NEW ABOVEGROUND STORAGE TANKS

SMC and Elonis installed 14 steel ASTs to replace some of the removed USTs. These ASTs were installed adjacent to the boiler room at each location. The new ASTs were set on a compacted stone base and then piped to the existing boiler feed lines.

The AST size associated with the corresponding building is presented in Table 3.

TABLE 3

ABOVEGROUND STORAGE TANK STATUS FOR REUSE BUILDINGS
EVANS AREA, FORT MONMOUTH, NEW JERSEY

Building	Aboveground Storage Tank Capacity (Gallons)
9001	1,000
9003	500
9012	5,000
9014	500
9019	500
9028	1,000
9033	2,000
9038	5,000
9041	5,000
9045	500
9059	500
9064	4,000
9116	500
9031	500

3.6 DISPOSAL OF TANK CONTENTS, TANK CARCASSSES, AND CONTAMINATED SOIL

This section discusses the disposal of tank contents, tank carcasses, and contaminated soil excavated as part of the assessment.

3.6.1 Tank Contents and Carcasses

Tank contents (waste product, sludges, and residues) were transported off site by LORCO for recycling or disposal. Petroleum waste and residues were incinerated or fuel blended at the LORCO facility in Old Bridge, New Jersey. Waste manifests are included in the appendices associated with each UST removal in the tab sections.

All piping and cleaned steel tanks were transported to a scrap recycler, Mazza and Sons, Inc., in Tinton Falls, New Jersey for disposal. Fiberglass-reinforced plastic (FRP) tanks were cleaned, decontaminated, and crushed, then transported by Marpal Disposal Company, in Tinton Falls, to the Monmouth County Landfill. Copies of the disposal receipts are also included in the appendices of each tab section.

3.6.2 Contaminated Soil

Soil excavated as part of remedial activities was staged in the paved parking area in the northern portion of the Evans Area, adjacent to building 9006 (refer to Figure 3A). Heavily contaminated soils were staged separately from less contaminated soils. Asphalt and concrete were also segregated and staged at this location. This staging area was lined and covered with polyethylene sheeting and tarps to prevent contaminant migration.

The stockpiled soil was then sampled for characterization purposes so that the soil could be appropriately removed off site for disposal. Sampling was generally conducted in accordance with the procedures outlined in the NJDEP guidance document on the management of excavated soils (NJDEP 1996). Allied Waste Services, Inc. (Allied), of Merrick, New York, was contracted to perform characterization sampling, loading, and transportation of the soil off site for disposal. The soil sampling involved establishing a grid across the stockpiled soil and collecting soil samples at grid nodes through the depth of the soil pile. Soil samples were collected with a hand auger, then composited (except those for VOC analysis).

Allied submitted the soil samples to New Jersey-certified laboratory, Environmental Testing Laboratories, Inc. (ETL), of Farmingdale, New York, for analysis. ETL's New Jersey certification number is 73812. The samples were analyzed for TPHC (U.S. Environmental Protection Agency [EPA] method 8015), VOCs (EPA method 8260B), moisture content, flash point, polychlorinated biphenyls, pH, reactivity, toxicity characteristic leaching procedure (TCLP) metals, and cyanide. Copies of the analytical data reports are included in Appendix A.

Following characterization, the soil was transported to Earle Environmental Corporation (Earle) in Jackson, New Jersey, for recycling as asphalt road base. A total of 2,217.06 tons of soil was removed off site to Earle on October 19 and 20, 1998. Copies of the bills of lading are included in Appendix A.

Subsequent to the remedial activities at Building 9007 and 9401, additional petroleum contaminated soil was staged in the parking lot adjacent to Building 9006. In September 2000, the stockpile was sampled for waste characterization purposes to determine appropriate means of disposal. TVS personnel performed the composite sampling, and the samples were submitted to the Fort Monmouth Environmental Laboratory. The samples were submitted for TPHC, VOCs, flashpoint, corrosivity, reactivity, polychlorinated biphenyls (PCBs), TCLP metals, and nickel. A copy of the analytical data report is included in Appendix A.

At the present time, the soil stockpile is securely staged and covered with tarps awaiting transportation and disposal.

3.7 MISCELLANEOUS SAMPLING ACTIVITIES

Because it was suspected that a 1,000-gallon UST containing kerosene oil was present at one time just south of building 9114, this area was also investigated. Currently, the main electrical substation for the Evans Area (designated as area 9112) is located just south of building 9114. Because access underneath the transformer pad was impractical, another form of site assessment was carried out for this area.

On April 23 and 26, 1999, Tetra Tech oversaw the advancement and sampling of two soil borings (9112-B1 and 9112-B2) with a Geoprobe unit and the installation of two monitoring wells by New Jersey-licensed drillers from Lutz Environmental. Soils samples were screened with a PID and FID for the presence of organic vapors, and continuous soil cores were collected through the total depth of each boring. No visual signs of contamination were noted. The soil samples were transported to the Fort Monmouth Environmental Testing Laboratory, operated by TVS, for TPHC and total solids analysis.

In addition to the Geoprobe soil sampling, two overburden monitoring wells (FEMW-12 and FEMW-13) were installed to monitor groundwater quality in this area and to evaluate whether a release had occurred from the suspected UST. The wells were installed using hollow stem augers and completed as 4-inch-diameter PVC wells. Twenty-five feet of well screen was installed to 35 to 40 feet bgs. Soil boring logs and monitoring well construction details (included as Appendix B), as well as figures showing the specific locations of the borings and monitoring wells along with the analytical results, are discussed further in the tab section for area 9112, included in Section 6.

As discussed previously, Tetra Tech performed soil remediation activities at known areas of petroleum contamination at Buildings 9007 and 9401 during mid-January through mid-February 2000 and mid July through mid-August 2000. The areas of contamination had been discovered earlier by TVS work crews engaged in the deactivation of utilities throughout the Evans Area.

The soil remediations were performed by excavation of soil which was visually observed to be contaminated and registered high readings on the PID/FID. Once the contaminated soil had been removed, post-excavation samples were collected and submitted to the Fort Monmouth laboratory to verify the presence or absence of further contamination. All samples were submitted for TPHC and total solids analysis; however, other samples were collected for VOC, semi-volatiles, PCBs, TAL metals, or pesticides either at Fort Monmouth's request or to verify that the amount total organic contamination was less than the NJDEP soil cleanup criteria of 10,000 mg/kg.

4.0 SUMMARY AND CONCLUSIONS

Based on the investigative activities performed by Tetra Tech, the following summary and conclusions are offered:

- Thirty-six USTs were removed as part of this work. The USTs ranged in size from 550 gallons to 10,000 gallons. Eight of the 36 USTs removed were leakers. The USTs located at buildings 9009, 9019, 9031, 9051, 9053, 9055, 9064, and 9196 had leaked and caused significant soil contamination. In addition, overfills and spillage from the USTs at buildings 9006 and 9012(B) had impacted soil, and extensive soil contamination was also associated with the AST at building 9004.

- No known USTs remain on site. A 1,000-gallon kerosene tank is suspected to potentially be located beneath transformer area 9112.

- Based on the soil samples collected during the Geoprobe borings and the groundwater samples collected from the two new monitoring wells, FEMW-14 and FEMW-13, soil and groundwater at the electrical substation/transformer area 9112/9114 is not impacted with petroleum compounds.

- Contaminated soil associated with the USTs was relatively limited, and all contaminated soil associated with all former USTs and/or ASTs has been removed. No source areas associated with the tanks remain, and TPHC concentrations exceeding NJDEP cleanup criteria do not exist at the locations of the former tanks or other areas of contamination.

- A total of 2,217 tons of soil was removed from the UST excavations and exploratory test trenching and transported off site to Earle for recycling as asphalt road material. A total of approximately 300 cubic yards of soil from the remediation activities at Buildings 9007 and 9401 remains stockpiled at the Evans Area awaiting transportation off site to a disposal facility.

5.0 REFERENCES

CH2M Hill. 1996. *Draft Environmental Impact Statement. Disposal and Reuse of the Evans Subpost, Fort Monmouth, New Jersey.* March.

The Earth Technology Corporation (Earth Tech). 1994. *Final Enhanced Preliminary Assessment Report. A Portion of the Charles Wood Area and the Entire Evans Area, Fort Monmouth, New Jersey.* January.

Earth Tech. 1996. *Draft Supplemental Site Inspection Report for the Evans Area, Fort Monmouth, New Jersey.* Volume I. May.

Fort Monmouth, Directorate of Public Works. 1996. *Underground Storage Tank Management Plan, Standard Operating Procedures for Decommissioning and Closure of Underground Storage Tanks. SOP-19.* March.

New Jersey Department of Environmental Protection. 1996. Memorandum. *Management of Excavated Soils.* Guidance Document. June.

1000 0 1000 2000

SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
SITE LOCATION MAP

TETRA TECH EM INC.

Figure 2 is an oversized drawing, and can be found under file name Fig2.pdf
in the Final Underground Storage Tank Removal and Site Assessment Report (Vol. I) folder.

Figure 3A is an oversized drawing, and can be found under file name Fig3A.pdf in the Final Underground Storage Tank Removal and Site Assessment Report (Vol. I) folder.

Figure 3B is an oversized drawing, and can be found under file name Fig3B.pdf
in the Final Underground Storage Tank Removal and Site Assessment Report (Vol. I) folder.

6.0 INDIVIDUAL UNDERGROUND STORAGE TANK CLOSURE AND SITE ASSESSMENT REPORTS

This section includes the individual UST closure and site assessment reports for each of the 36 USTs removed. In addition to the UST reports, individual reports have also been prepared for the exploratory test trenching and sampling of areas of suspected USTs as well as Geoprobe borings/hand collected samples at proposed AST locations, the 9112/9114 transformer area, and the soil remediation activities at Buildings 9007 and 9401. Each report contains tables of sampling results, figures, photographs, and other documentation for the individual UST removal, site remediations, and sampling.

APPENDIX A

WASTE AND SOIL DISPOSAL INFORMATION INCLUDING BILLS OF LADING

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - % Moisture

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
% Moisture	**10.4**	%	1		%
Total Solids	**89.6**	%	1		%

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
% Moisture	**9.2**	%	1		%
Total Solids	**90.8**	%	1		%

Reviewed by: Peggy Langer

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Member The Tyree Organization

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - EPA SW 846 8260B

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 11/02/98
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Dichlorodifluoromethane	<0.57	ppb	1.12	0.57	ppb
Chlorodifluoromethane	<0.75	ppb	1.12	0.75	ppb
Chloromethane	<0.77	ppb	1.12	0.77	ppb
Vinyl chloride	<0.38	ppb	1.12	0.38	ppb
Bromomethane	<0.87	ppb	1.12	0.87	ppb
Chloroethane	<0.68	ppb	1.12	0.68	ppb
Trichlorofluoromethane	<0.93	ppb	1.12	0.93	ppb
1,1,2-Trichlorotrifluoroethane	<0.73	ppb	1.12	0.73	ppb
1,1-Dichloroethene	<0.69	ppb	1.12	0.69	ppb
Acetone	<4.86	ppb	1.12	4.86	ppb
Carbon disulfide	<0.64	ppb	1.12	0.64	ppb
Methylene chloride	<1.1	ppb	1.12	1.1	ppb
trans-1,2-Dichloroethene	<0.8	ppb	1.12	0.8	ppb
Methyl t-butyl ether	<0.55	ppb	1.12	0.55	ppb
1,1-Dichloroethane	<0.55	ppb	1.12	0.55	ppb
2,2-Dichloropropane	<0.58	ppb	1.12	0.58	ppb
cis-1,2-Dichloroethene	<1	ppb	1.12	1	ppb
2-Butanone	<2.81	ppb	1.12	2.81	ppb
Bromochloromethane	<0.52	ppb	1.12	0.52	ppb
Chloroform	<0.64	ppb	1.12	0.64	ppb
1,1,1-Trichloroethane	<0.62	ppb	1.12	0.62	ppb
Carbon tetrachloride	<0.53	ppb	1.12	0.53	ppb
1,1-Dichloropropene	<0.95	ppb	1.12	0.95	ppb
Benzene	<0.63	ppb	1.12	0.63	ppb
1,2-Dichloroethane	<0.6	ppb	1.12	0.6	ppb
Trichloroethene	<0.5	ppb	1.12	0.5	ppb
1,2-Dichloropropane	<0.5	ppb	1.12	0.5	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - EPA SW 846 8260B

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2 (continued)
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 11/02/98
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Dibromomethane	<0.48	ppb	1.12	0.48	ppb
Bromodichloromethane	<0.53	ppb	1.12	0.53	ppb
2-Chloroethylvinylether	<1.1	ppb	1.12	1.1	ppb
cis-1,3-Dichloro-1-propene	<0.54	ppb	1.12	0.54	ppb
4-Methyl-2-pentanone	<1.66	ppb	1.12	1.66	ppb
Toluene	<0.49	ppb	1.12	0.49	ppb
trans-1,3-Dichloropropene	<0.49	ppb	1.12	0.49	ppb
1,1,2-Trichloroethane	<0.53	ppb	1.12	0.53	ppb
Tetrachloroethene	<0.55	ppb	1.12	0.55	ppb
1,3-Dichloropropane	<0.47	ppb	1.12	0.47	ppb
2-Hexanone	<1.74	ppb	1.12	1.74	ppb
Dibromochloromethane	<0.46	ppb	1.12	0.46	ppb
1,2-Dibromoethane	<0.6	ppb	1.12	0.6	ppb
Chlorobenzene	<0.45	ppb	1.12	0.45	ppb
1,1,1,2-Tetrachloroethane	<0.47	ppb	1.12	0.47	ppb
Ethylbenzene	<0.47	ppb	1.12	0.47	ppb
m,p-Xylene	<0.94	ppb	1.12	0.94	ppb
o-Xylene	<0.48	ppb	1.12	0.48	ppb
Styrene	<0.44	ppb	1.12	0.44	ppb
Bromoform	<0.55	ppb	1.12	0.55	ppb
Isopropylbenzene	<0.47	ppb	1.12	0.47	ppb
Bromobenzene	<0.54	ppb	1.12	0.54	ppb
1,1,2,2-Tetrachloroethane	<0.56	ppb	1.12	0.56	ppb
n-Propylbenzene	<0.44	ppb	1.12	0.44	ppb
1,2,3-Trichloropropane	<0.96	ppb	1.12	0.96	ppb
p-Ethyltoluene	1.3	ppb	1.12	0.35	ppb
1,3,5-Trimethylbenzene	2.7	ppb	1.12	0.48	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Member
The Tyree Organization

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - EPA SW 846 8260B

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2 (continued)
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 11/02/98
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
2-Chlorotoluene	**<0.52**	ppb	1.12	0.52	ppb
4-Chlorotoluene	**<0.43**	ppb	1.12	0.43	ppb
tert-Butylbenzene	**<0.44**	ppb	1.12	0.44	ppb
1,2,4-Trimethylbenzene	**1.5**	ppb	1.12	0.4	ppb
sec-Butylbenzene	**<0.45**	ppb	1.12	0.45	ppb
p-Isopropyltoluene	**<0.47**	ppb	1.12	0.47	ppb
1,3-Dichlorobenzene	**<0.54**	ppb	1.12	0.54	ppb
1,4-Dichlorobenzene	**<0.52**	ppb	1.12	0.52	ppb
1,2-Dichlorobenzene	**<0.56**	ppb	1.12	0.56	ppb
p-Diethylbenzene	**<0.45**	ppb	1.12	0.45	ppb
n-Butylbenzene	**<0.48**	ppb	1.12	0.48	ppb
1,2,4,5-Tetramethylbenzene	**<0.34**	ppb	1.12	0.34	ppb
1,2-Dibromo-3-chloropropane	**<1**	ppb	1.12	1	ppb
1,2,4-Trichlorobenzene	**<0.65**	ppb	1.12	0.65	ppb
Hexachlorobutadiene	**<0.64**	ppb	1.12	0.64	ppb
Naphthalene	**<1**	ppb	1.12	1	ppb
1,2,3-Trichlorobenzene	**<0.74**	ppb	1.12	0.74	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - EPA SW 846 8260B

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 11/02/98
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Dichlorodifluoromethane	<2.8	ppb	5.51	2.8	ppb
Chlorodifluoromethane	<3.7	ppb	5.51	3.7	ppb
Chloromethane	<3.8	ppb	5.51	3.8	ppb
Vinyl chloride	<1.9	ppb	5.51	1.9	ppb
Bromomethane	<4.3	ppb	5.51	4.3	ppb
Chloroethane	<3.4	ppb	5.51	3.4	ppb
Trichlorofluoromethane	<4.6	ppb	5.51	4.6	ppb
1,1,2-Trichlorotrifluoroethane	<3.6	ppb	5.51	3.6	ppb
1,1-Dichloroethene	<3.4	ppb	5.51	3.4	ppb
Acetone	<23.9	ppb	5.51	23.9	ppb
Carbon disulfide	<3.1	ppb	5.51	3.1	ppb
Methylene chloride	<5.2	ppb	5.51	5.2	ppb
trans-1,2-Dichloroethene	<3.9	ppb	5.51	3.9	ppb
Methyl t-butyl ether	<2.7	ppb	5.51	2.7	ppb
1,1-Dichloroethane	<2.7	ppb	5.51	2.7	ppb
2,2-Dichloropropane	<2.9	ppb	5.51	2.9	ppb
cis-1,2-Dichloroethene	<4.9	ppb	5.51	4.9	ppb
2-Butanone	<13.8	ppb	5.51	13.8	ppb
Bromochloromethane	<2.5	ppb	5.51	2.5	ppb
Chloroform	<3.1	ppb	5.51	3.1	ppb
1,1,1-Trichloroethane	<3	ppb	5.51	3	ppb
Carbon tetrachloride	<2.6	ppb	5.51	2.6	ppb
1,1-Dichloropropene	<4.7	ppb	5.51	4.7	ppb
Benzene	<3.1	ppb	5.51	3.1	ppb
1,2-Dichloroethane	<3	ppb	5.51	3	ppb
Trichloroethene	<2.5	ppb	5.51	2.5	ppb
1,2-Dichloropropane	<2.5	ppb	5.51	2.5	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Member The Tyree Organization

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - EPA SW 846 8260B

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 3 (continued)
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 11/02/98
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Dibromomethane	<2.4	ppb	5.51	2.4	ppb
Bromodichloromethane	<2.6	ppb	5.51	2.6	ppb
2-Chloroethylvinylether	<5.3	ppb	5.51	5.3	ppb
cis-1,3-Dichloro-1-propene	<2.6	ppb	5.51	2.6	ppb
4-Methyl-2-pentanone	<8.15	ppb	5.51	8.15	ppb
Toluene	<2.4	ppb	5.51	2.4	ppb
trans-1,3-Dichloropropene	<2.4	ppb	5.51	2.4	ppb
1,1,2-Trichloroethane	<2.6	ppb	5.51	2.6	ppb
Tetrachloroethene	280	ppb	5.51	2.7	ppb
1,3-Dichloropropane	<2.3	ppb	5.51	2.3	ppb
2-Hexanone	<8.54	ppb	5.51	8.54	ppb
Dibromochloromethane	<2.3	ppb	5.51	2.3	ppb
1,2-Dibromoethane	<3	ppb	5.51	3	ppb
Chlorobenzene	<2.2	ppb	5.51	2.2	ppb
1,1,1,2-Tetrachloroethane	<2.3	ppb	5.51	2.3	ppb
Ethylbenzene	<2.3	ppb	5.51	2.3	ppb
m,p-Xylene	<4.6	ppb	5.51	4.6	ppb
o-Xylene	<2.4	ppb	5.51	2.4	ppb
Styrene	<2.1	ppb	5.51	2.1	ppb
Bromoform	<2.7	ppb	5.51	2.7	ppb
Isopropylbenzene	<2.3	ppb	5.51	2.3	ppb
Bromobenzene	<2.6	ppb	5.51	2.6	ppb
1,1,2,2-Tetrachloroethane	<2.8	ppb	5.51	2.8	ppb
n-Propylbenzene	<2.1	ppb	5.51	2.1	ppb
1,2,3-Trichloropropane	<4.7	ppb	5.51	4.7	ppb
p-Ethyltoluene	<1.7	ppb	5.51	1.7	ppb
1,3,5-Trimethylbenzene	<2.4	ppb	5.51	2.4	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - EPA SW 846 8260B

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 3 (continued)
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 11/02/98
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
2-Chlorotoluene	**<2.5**	ppb	5.51	2.5	ppb
4-Chlorotoluene	**<2.1**	ppb	5.51	2.1	ppb
tert-Butylbenzene	**<2.1**	ppb	5.51	2.1	ppb
1,2,4-Trimethylbenzene	**<2**	ppb	5.51	2	ppb
sec-Butylbenzene	**<2.2**	ppb	5.51	2.2	ppb
p-Isopropyltoluene	**<2.3**	ppb	5.51	2.3	ppb
1,3-Dichlorobenzene	**<2.6**	ppb	5.51	2.6	ppb
1,4-Dichlorobenzene	**<2.5**	ppb	5.51	2.5	ppb
1,2-Dichlorobenzene	**<2.8**	ppb	5.51	2.8	ppb
p-Diethylbenzene	**<2.2**	ppb	5.51	2.2	ppb
n-Butylbenzene	**<2.4**	ppb	5.51	2.4	ppb
1,2,4,5-Tetramethylbenzene	**<1.7**	ppb	5.51	1.7	ppb
1,2-Dibromo-3-chloropropane	**<5.1**	ppb	5.51	5.1	ppb
1,2,4-Trichlorobenzene	**<3.2**	ppb	5.51	3.2	ppb
Hexachlorobutadiene	**<3.1**	ppb	5.51	3.1	ppb
Naphthalene	**<4.9**	ppb	5.51	4.9	ppb
1,2,3-Trichlorobenzene	**<3.6**	ppb	5.51	3.6	ppb

Reviewed by: _____

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - Flash Point; Ignitability

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
Flash Point	>100	deg C	1	1	deg C
Flash Point	>212	deg F	1	1	deg F

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
Flash Point	>100	deg C	1	1	deg C
Flash Point	>212	deg F	1	1	deg F

Reviewed by:

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - PCB's EPA METHOD 8081/608

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/27/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
PCB 1016	**<23.2**	ppb	1.12	23.2	ppb
PCB 1221	**<14.9**	ppb	1.12	14.9	ppb
PCB 1232	**<10.4**	ppb	1.12	10.4	ppb
PCB 1242	**<21.8**	ppb	1.12	21.8	ppb
PCB 1248	**<8.66**	ppb	1.12	8.66	ppb
PCB 1254	**<14.3**	ppb	1.12	14.3	ppb
PCB 1260	**<14.4**	ppb	1.12	14.4	ppb

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/27/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
PCB 1016	**<22.8**	ppb	1.10	22.8	ppb
PCB 1221	**<14.6**	ppb	1.10	14.6	ppb
PCB 1232	**<10.2**	ppb	1.10	10.2	ppb
PCB 1242	**<21.5**	ppb	1.10	21.5	ppb
PCB 1248	**<8.5**	ppb	1.10	8.5	ppb
PCB 1254	**<14.1**	ppb	1.10	14.1	ppb
PCB 1260	**<14.2**	ppb	1.10	14.2	ppb

Reviewed by:

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Soil pH in water @ 20 C

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
pH "over-aged"	**6.97**		1		
Temp	**23.5**	C	1		C

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
pH "over-aged"	**6.81**		1		
Temp	**23.3**	C	1		C

Reviewed by:

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Reactivity

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
Releasable Cyanide	**<0.1**	ppm	1	0.1	ppm
Releasable H2 Sulfide	**<0.01**	ppm	1	0.01	ppm
Reactivity	**NEGATIVE**		1		

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
Releasable Cyanide	**<0.1**	ppm	1	0.1	ppm
Releasable H2 Sulfide	**<0.01**	ppm	1	0.01	ppm
Reactivity	**NEGATIVE**		1		

Reviewed by: Peggy Lange

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - TCLP - Metals

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/29/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
Arsenic	**<0.009**	ppm	1.11	0.009	ppm
Barium	**0.297**	ppm	1.11	0.222	ppm
Cadmium	**<0.003**	ppm	1.11	0.003	ppm
Chromium	**<0.009**	ppm	1.11	0.009	ppm
Lead	**0.016**	ppm	1.11	0.002	ppm
Mercury	**0.00005**	ppm	1.0	0.00005	ppm
Selenium	**0.025**	ppm	1.11	0.003	ppm
Silver	**<0.009**	ppm	1.11	0.009	ppm

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/29/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
Arsenic	**<0.009**	ppm	1.11	0.009	ppm
Barium	**0.247**	ppm	1.11	0.222	ppm
Cadmium	**<0.003**	ppm	1.11	0.003	ppm
Chromium	**<0.009**	ppm	1.11	0.009	ppm
Lead	**0.037**	ppm	1.11	0.002	ppm
Mercury	**0.00005**	ppm	1.0	0.00005	ppm
Selenium	**0.021**	ppm	1.11	0.003	ppm
Silver	**<0.009**	ppm	1.11	0.009	ppm

Reviewed by: Peggy Longo

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Member The Tyree Organization

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

ANALYSIS REPORT - Total Solids

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
% Solids	**89.6**	%	1		%

Sample 3
Custody: H2709
Collected: 10/21/98
Location: 9874745
Remarks:

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/26/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
% Solids	**90.8**	%	1		%

Reviewed by: _____

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Member The Tyree Organization

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1456

CASE NARRATIVE

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Handler: Lori

Custody Document H2709

Print Date: 11/03/98

8260

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone
2-Butanone
4-Methyl,2-pentanone
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 10, 20, 50, 100 and 150 ppb levels.

Samples were quantitated using the continuing calibration standard response factor as opposed to the initial calibration average response factor.

Reviewed by: _____

Member
The Tyree Organization

ETL
Environmental Testing Laboratories, Inc.

516-249-1456
516-249-3150
FAX 516-249-8344

208 Route 109 • Farmingdale • New York 11735

NY NH MA VT
NJ RI DE ME
CT PA MD VA

SOIL, WATER & AIR ANALYSIS • ORGANIC/INORGANIC • PETRO CHEMICAL

CHAIN OF CUSTODY DOCUMENT

H 2709

Project Name: AAL | Project Manager: LORI

Project Address: SUFFOLK ST · FARMINGDALE NY 11735

Bill to: AAL | J/N: | ☐ Rush by 10/28/98

Sampler (Signature): (Print):

SAMPLE INFO | Type: SS = Split Spoon; G = Grab; C = Composite; B = Blank | Matrix: L = Liquid; S = Soil; SL = Sludge; A* = Air; W = Wipe | * Air - Vol. (Liters) include : Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location	601/8010	602/8020	BTX/BTEX	MTBE	624/8240/8260 TCL	625/8270/BN	PCB/Pesticides	Pet. Prods.	TCLP Metals	RCRA Metals	Reactivity	pH - Corrosivity	Ignitability	418.1 - TRPH	% Solids	% moisture
1	10/21			S	9814781				X					X							
2	10/21			S	9814744						X		X		X	X	X		X		X
3	10/21			S	9814745						X		X		X	X	X		X		X
4											60										
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received by (Signature):	Date / Time	Printed Name & Agent:
Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Comments & Special Instructions:		Disposal Facility:
Received for Lab by (Signature):	Date 10/28 / Time 2:10	Printed Name:	Number & Type of Containers: 3 oz		Preservatives:

ETL
Environmental Testing Laboratories, Inc.

516-249-1456
516-249-3150
FAX 516-249-8344

208 Route 109 • Farmingdale • New York 11735

NY NH MA VT
NJ RI DE ME
CT PA MD VA

SOIL, WATER & AIR ANALYSIS • ORGANIC/INORGANIC • PETRO CHEMICAL

CHAIN OF CUSTODY DOCUMENT

FAX # 454-8027

H 2076

Project Name: AAL — Project Manager: Lori Beyer

Project Address: NJ project

Bill to: — J/N: — ☐ Rush by / /

Sampler (Signature): (Print):

SAMPLE INFO — Type: SS = Split Spoon; G = Grab; C = Composite; B = Blank; Matrix: L = Liquid; S = Soil; SL = Sludge; A = Air; W = Wipe — * Air - Vol. (Liters) include Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location
1	10-30	9:15a	C	S	98 14746
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

601/8010	602/8020	BTX/BTEX	MTBE	624/8240/8260	625/8270/BN	PCB/Pesticides	Pet. Prods.	TCLP Metals	RCRA Metals	Reactivity	pH - Corrosivity	Ignitability	418.1 -TRPH
													X TPH 8015

Relinquished by (Signature):	Date 10-30-98 Time	Printed Name & Agent: Jim C	Received by (Signature): — Date Time — Printed Name & Agent:
Relinquished by (Signature):	Date Time	Printed Name & Agent:	Comments & Special Instructions: — Disposal Facility:
Received for Lab by (Signature):	Date 11-2-98 Time 7:30	Printed Name: Wendy	Number & Type of Containers: (1) 2oz — Preservatives:

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-8344 · Phone: 516-249-1452

ANALYSIS REPORT - % Moisture

11/03/98

Project
American Analytical
56 Toledo Street
Farmingdale, NY
Manager: Lori
Fort Monmouth-Edwards Area

Custody Document H2709
Received: 10/21/98 3:00 PM
Sampled by: N/A
Job Number:

Sample 1
Custody: H2709
Collected: 10/21/98
Location: 9814744
Remarks: Comp 1 10/21/98

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/28/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
% Moisture	10.4	%	1		%
Total Solids	89.6	%	1		%

Sample 2
Custody: H2709
Collected: 10/21/98
Location: 9814745
Remarks: Comp 2 10/21/98

Type: Grab
Matrix: Soil

Analysis Information
Analyzed: 10/28/98
Remarks:

Analyte	Concentration	Units	Dilution	MDL	Units
% Moisture	9.2	%	1		%
Total Solids	90.8	%	1		%

Reviewed by:

Post-it® Fax Note 7671	Date 11/3	# of pages ▶ 1
To Lori	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10958.

Allied
Waste Services, Inc.

FACSIMILE COVER SHEET

TO: MARK CHAMBERLAIN/PRC

FROM: *LARRY CALDWELL*
PHONE: 800 851-4330 215 724-5520
FAX: 215 724-2939

DATE: 10-16-98

RE: ANALYTICALS

NUMBER OF PAGES (INCLUDING COVER SHEET): 11

****

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Laurie - LAS director

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 15668
CTDOH PH-0205

October 16, 1998

Alan Parker
Allied Environmental
2163 Merrick Avenue
Merrick, New York 11566

Re: Fort Monmouth/Evans Area

Dear Mr. Parker,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on October 14, 1998. American Analytical Laboratories, Inc. analyzed the samples, through October 16, 1998 for the following;

CLIENT ID	ANALYSIS
9814744	Analytical Package (Minus TPH)
9814745	Analytical Package (Minus TPH)
9814746	TPH 8015
9814747	TPH 8015
9814748	TPH 8015
9814749	TPH 8015
9814750	TPH 8015
9814751	TPH 8015
9814752	TPH 8015
9814753	TPH 8015
9814754	TPH 8015
9814755	TPH 8015
9814756	TPH 8015
9814757	TPH 8015
9814758	TPH 8015
9814759	TPH 8015
9814760	TPH 8015
9814761	TPH 8015

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories, Inc. would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814744
Date extracted: 10/16/98	Matrix: Soil
Date analyzed: 10/14, 10/16/98	Contractor: 11418

ANALYTICAL RESULTS

PARAMETER	RESULTS
Percent Moisture[1]*	11.2%
Flash Point[3]*	>140° F
PCB's Scan[4]*	<200 ug/kg
pH[5]*	6.36 Units
Reactivity As:[6]*	cn: <0.1 mg/kg s: <2.0 mg/kg

1*Method: SM182540B
3*Method: EPA SW846,1010
4*Method: EPA 8080/608
5*Method: EPA SW846,9040
6*Method: EPA SW846 Chapter 7 Sect. 7.3.3.2
EPA SW846, Chapter 7 Sect 7.3.4.2

AMERICAN ANALYTICAL LABORATORIES
Laboratory Director
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814745
Date extracted: 10/16/98	Matrix: Soil
Date analyzed: 10/14, 10/15, 10/16/98	Contractor: 11418

ANALYTICAL RESULTS

PARAMETER	RESULTS
Percent Moisture[1*]	4.80%
Flash Point[3*]	>140° F
PCB's Scan[4*]	<200 ug/kg
pH[5*]	5.55 Units
Reactivity As:[6*]	cn: <0.1 mg/kg s: <2.0 mg/kg

1*Method: SM1825408
3*Method: EPA SW846,1010
4*Method: EPA 8080/608
5*Method: EPA SW846,9040
6*Method: EPA SW846 Chapter 7 Sect. 7.3.3.2
EPA SW846, Chapter 7 Sect 7.3.4.2

AMERICAN ANALYTICAL LABORATORIES

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: See Below
Date extracted: 10/14/98	Matrix: Soil
Date analyzed: 10/14/98	Contractor: 11418

ANALYTICAL RESULTS

Lab ID #	Parameter	Result
9814746	TPH 8015	<10 mg/kg
9814747	TPH 8015	<10 mg/kg
9814748	TPH 8015	<10 mg/kg
9814749	TPH 8015	<10 mg/kg
9814750	TPH 8015	503 mg/kg
9814751	TPH 8015	<10 mg/kg
9814752	TPH 8015	<10 mg/kg
9814753	TPH 8015	<10 mg/kg
9814754	TPH 8015	<10 mg/kg
9814755	TPH 8015	<10 mg/kg
9814756	TPH 8015	1,335 mg/kg
9814757	TPH 8015	<10 mg/kg
9814758	TPH 8015	<10 mg/kg
9814759	TPH 8015	<10 mg/kg
9814760	TPH 8015	<10 mg/kg
9814761	TPH 8015	<10 mg/kg

Laboratory Director

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814744
Date extracted: 10/14/98	Matrix: Soil
Date analyzed: 10/15/98	Contractor: 11418

TCLP METALS ANALYSIS

PARAMETER	REGULATORY LIMIT	RESULTS mg/L
SILVER, Ag	5.00 PPM	<0.05
BARIUM, Ba	100.00 PPM	<1.00
CADMIUM, Cd	1.00 PPM	<0.05
NICKEL, Ni	N/A	<0.05
SELENIUM, Se	1.00 PPM	0.06
LEAD, Pb	5.00 PPM	<0.05
MERCURY, Hg	0.20 PPM	<0.020
ARSENIC, As	5.00 PPM	<0.05
CHROMIUM, Cr	5.00 PPM	<0.05

Method: SW846, 1311 extraction tclp, 7000 series analysis

AMERICAN ANALYTICAL LABORATORIES

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814745
Date extracted:	Matrix: Soil
Date analyzed:	Contractor: 11418

TCLP METALS ANALYSIS

PARAMETER	REGULATORY LIMIT	RESULTS mg/L
SILVER, Ag	5.00 PPM	<0.05
BARIUM, Ba	100.00 PPM	<1.00
CADMIUM, Cd	1.00 PPM	<0.05
NICKEL, Ni	N/A	<0.05
SELENIUM, Se	1.00 PPM	<0.05
LEAD, Pb	5.00 PPM	<0.05
MERCURY, Hg	0.20 PPM	<0.020
ARSENIC, As	5.00 PPM	<0.05
CHROMIUM, Cr	5.00 PPM	<0.05

Method: SW846, 1311 extraction tclp, 7000 series analysis

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814744
Date extracted: NA	Matrix: Soil
Date analyzed: 10/15/98	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
BENZENE	71-43-2	<5
BROMOBENZENE	108-86-1	<5
BROMOCHLOROMETHANE	74-97-5	<5
BROMODICHLOROMETHANE	75-27-4	<5
BROMOFORM	75-25-2	<5
BROMOMETHANE	74-83-9	<5
n-BUTYLBENZENE	104-51-8	<5
sec-BUTYLBENZENE	135-98-8	<5
tert-BUTYLBENZENE	98-06-6	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLORODIBROMOMETHANE	124-48-1	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
CHLOROMETHANE	74-87-3	<5
2-CHLOROTOLUENE	95-49-8	<5
4-CHLOROTOLUENE	106-43-4	<5
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	<5
1,2-DIBROMOETHANE	106-93-4	<5
DIBROMOMETHANE	74-95-3	<5
1,2-DICHLOROBENZENE	95-50-1	15
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
DICHLORODIFLUOROMETHANE	75-71-8	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
cis-1,2-DICHLOROETHENE	156-59-2	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5

AMERICAN ANALYTICAL LABORATORIES

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814744
Date extracted: NA	Matrix: Soil
Date analyzed: 10/15/98	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
1,2-DICHLOROPROPANE	78-87-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
2,2-DICHLOROPROPANE	594-20-7	<5
1,1-DICHLOROPROPENE	563-58-6	<5
ETHYLBENZENE	100-41-4	<5
HEXACHLOROBUTADIENE	87-68-3	<5
ISOPROPYLBENZENE	98-82-8	<5
p-ISOPROPYLTOLUENE	99-87-6	<5
METHYLENE CHLORIDE	75-09-2	<5
NAPHTHALENE	91-20-3	<5
n-PROPYLBENZENE	103-65-1	<5
STYRENE	100-42-5	<5
1,1,1,2-TETRACHLOROETHANE	630-20-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
TETRACHLOROETHENE	127-18-4	<5
TOLUENE	108-88-3	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
TRICHLOROETHENE	79-01-6	<5
TRICHLOROFLUOROMETHANE	75-69-4	<5
1,2,3-TRICHLOROPROPANE	96-18-4	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	<5
VINYL CHLORIDE	75-01-4	<5
ACETONE	67-64-1	<5
CARBON DISULFIDE	75-15-0	<5
2-BUTANONE	78-93-3	<5
VINYL ACETATE	108-05-4	<5
4-METHYL-2-PENTANONE	108-10-1	<5
2-HEXANONE	591-78-6	<5
XYLENES (TOTAL)	1330-20-7	<15

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814745
Date extracted: NA	Matrix: Soil
Date analyzed: 10/15/98	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
1,2-DICHLOROPROPANE	78-87-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
2,2-DICHLOROPROPANE	594-20-7	<5
1,1-DICHLOROPROPENE	563-58-6	<5
ETHYLBENZENE	100-41-4	<5
HEXACHLOROBUTADIENE	87-68-3	<5
ISOPROPYLBENZENE	98-82-8	<5
p-ISOPROPYLTOLUENE	99-87-6	<5
METHYLENE CHLORIDE	75-09-2	<5
NAPHTHALENE	91-20-3	<5
n-PROPYLBENZENE	103-65-1	<5
STYRENE	100-42-5	<5
1,1,1,2-TETRACHLOROETHANE	630-20-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
TETRACHLOROETHENE	127-18-4	<5
TOLUENE	108-88-3	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
TRICHLOROETHENE	79-01-6	<5
TRICHLOROFLUOROMETHANE	75-69-4	<5
1,2,3-TRICHLOROPROPANE	96-18-4	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	<5
VINYL CHLORIDE	75-01-4	<5
ACETONE	67-64-1	<5
CARBON DISULFIDE	75-15-0	<5
2-BUTANONE	78-93-3	<5
VINYL ACETATE	108-05-4	<5
4-METHYL-2-PENTANONE	108-10-1	<5
2-HEXANONE	591-78-6	<5
XYLENES (TOTAL)	1330-20-7	<15

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-6027

Laboratory Director

Client: Allied Environmental	Client ID: Fort Monmouth/Evans Area
Date received: 10/14/98	Laboratory ID: 9814745
Date extracted: NA	Matrix: Soil
Date analyzed: 10/15/98	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
BENZENE	71-43-2	<5
BROMOBENZENE	108-86-1	<5
BROMOCHLOROMETHANE	74-97-5	<5
BROMODICHLOROMETHANE	75-27-4	<5
BROMOFORM	75-25-2	<5
BROMOMETHANE	74-83-9	<5
n-BUTYLBENZENE	104-51-8	<5
sec-BUTYLBENZENE	135-98-8	<5
tert-BUTYLBENZENE	98-06-6	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLORODIBROMOMETHANE	124-48-1	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
CHLOROMETHANE	74-87-3	<5
2-CHLOROTOLUENE	95-49-8	<5
4-CHLOROTOLUENE	106-43-4	<5
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	<5
1,2-DIBROMOETHANE	106-93-4	<5
DIBROMOMETHANE	74-95-3	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
DICHLORODIFLUOROMETHANE	75-71-8	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
cis-1,2-DICHLOROETHENE	156-59-2	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5

AMERICAN ANALYTICAL LABORATORIES

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (516) 454-6100 • FAX: (516) 454-8027

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10924
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	38.69	42.65	GROSS
TIME IN	12:01	11.94	13.16	TARE
TIME OUT	12:01	26.75	29.49	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0007			JAMES S TAYLOR
LOADS 96 ~~25~~	TONNAGE 782.90	MEGAGRAMS 710.25	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281645

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10924

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/08

TRANSPORTER SIGNATURE: P24BTG LICENSE PLATE # DATE: 10/15/08

FACILITY SIGNATURE: DATE: 10.15.08

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10923 T JR66 SOIL

		METRIC	ENGLISH	
DATE	10/20/98	39.59	43.64	GROSS
TIME IN	12:03	11.89	13.11	TARE
TIME OUT	12:03	27.70	30.53	NET

TRUCK NO. 0008	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S. TAYLOR
LOADS 27 ~~29~~	TONNAGE 813.43	MEGAGRAMS 737.94	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281646

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10923

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.20.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10925 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/20/98	35.38	39.00	GROSS
TIME IN	12:07	11.97	13.19	TARE
TIME OUT	12:07	23.41	25.81	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0002			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
28 ~~30~~	839.24	761.36	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281648

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10925

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: ~~Building 167~~
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: ~~Evans Area~~
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

TRANSPORTER: _____

CONSULTANT: ~~Allied Waste Services, Inc. - 2163 Merrick Ave. - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ 1AC192 PM5 DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

JOB MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10926 JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	42.31	46.64	GROSS
TIME IN	12:09	15.13	16.68	TARE
TIME OUT	12:10	27.18	29.96	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0003			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
29 ~~24~~	869.20	788.54	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT

NO. 281649

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10926

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: AD-256C DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.20.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10928
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	36.26	39.97	GROSS
TIME IN	12:38	16.03	17.67	TARE
TIME OUT	12:38	20.23	22.30	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0014			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
32	941.10	853.77	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281655

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10928

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: D & T Carbone NY #14

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/05

TRANSPORTER SIGNATURE: _____ LICENSE PLATE # DATE: 10/20/05

FACILITY SIGNATURE: _____ DATE: 10-20-05

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10927
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/96	36.29	40.00	GROSS
TIME IN	12:12	11.83	13.04	TARE
TIME OUT	12:13	24.46	26.96	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
30	896.16	813.00	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281650

OFFICE	JACKSON PLANT
P.O. DRAWER 757	ROUTE 547
FARMINGDALE, N.J. 07727	JACKSON, N.J. 08527
(732) 308-1113	(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10927

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: ~~Building 167~~
Ft. Monmouth, New Jersey 07703
CONTACT/PHONE NO. Dinker Desai ~~(732)532-1475~~

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: ~~Evans Area~~
Wall Township, New Jersey
CONTACT/PHONE NO. Dinker Desai ~~(732)532-1475~~

TRANSPORTER: RJT Transport

CONSULTANT: ~~Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000T+~~

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: Tom D clark 04 1MD-4375 DATE: 10-20-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10929
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP., NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	35.72	39.37	GROSS
TIME IN	12:36	15.18	16.73	TARE
TIME OUT	12:36	20.54	22.64	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
31 ~~33~~	918.80	833.54	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281654

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10929

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL TOTAL QUANTITY (TONS): 2000T+
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/15/98

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT #	10930
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	38.10	42.00	GROSS
TIME IN	11:37	15.21	16.77	TARE
TIME OUT	12:55	22.89	25.23	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0031			JAMES S TAYLOR

LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
34	997.97	905.36	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281658

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10930

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/30/96

TRANSPORTER SIGNATURE: / DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE:

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10931
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	43.26	47.68	GROSS
TIME IN	12:52	14.55	16.04	TARE
TIME OUT	12:53	28.70	31.64	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0285			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
33	972.74	882.47	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281657

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10931

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: R.J.T. Company

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/94

TRANSPORTER SIGNATURE: _____ DATE: 10-20-94
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.20.94

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	# 10932
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	37.20	41.00	GROSS
TIME IN	14:25	16.24	17.90	TARE
TIME OUT	14:25	20.96	23.10	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0099			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
36 ~~38~~	1031.83	936.08	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281677

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10932

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2161 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: 1AW372 DATE: 10-20-98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.20.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003562
		PRODUCT	#10933
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	38.21	42.12	GROSS
TIME IN	14:27	15.25	16.81	TARE
TIME OUT	14:27	22.96	25.31	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0031			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
37	1057.14	959.04	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281678

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10933

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/93

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.20.93

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

1230
1:00

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	# 10935
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	21.31	23.49	GROSS
TIME IN	14:17	11.55	12.73	TARE
TIME OUT	14:17	9.76	10.76	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0013			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
35 ~~37~~	1008.73	915.12	

NO. 281676

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10935

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ LICENSE PLATE # _____ DATE: 10-20-98

FACILITY SIGNATURE: _____ DATE: 10.20.98

TIME DRIVER ON SITE: 1030 OFF SITE: 1100

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO [illegible]

DELIVERED TO MONMOUTH ARM BASE
EVANS AREA, WALL TWP., NJ

CUSTOMER NO. 00248
JOB NO. 003582
PRODUCT 10868 T
JR66
SOIL

		METRIC	ENGLISH	
DATE	10/19/98	47.71	52.59	GROSS
TIME IN	09:58	16.41	16.09	TARE
TIME OUT	09:58	31.30	34.50	NET

TRUCK NO. 0099	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 1	TONNAGE 34.50	MEGAGRAMS 31.30	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281386

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10868

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ / _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO
EARLE ENVIRONMENTAL CORP.
P.O.BOX 43
FARMINGDALE N.J. 07727

CUSTOMER NO. 00248

JOB NO. 003582

PRODUCT 10865
JR66 T
SOIL

DELIVERED TO
FT. MONMOUTH ARM BASE
EVANS AREA, WALL TWP. NJ

		METRIC	ENGLISH	
DATE	10/19/98	46.76	51.57	GROSS
TIME IN	10:01	15.33	16.96	TARE
TIME OUT	10:01	31.40	34.61	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
2	69.11	62.70	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281387

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10865

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/19/98

TRANSPORTER SIGNATURE: 152-3713 DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003562
		PRODUCT	10866
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	49.91	55.01	GROSS
TIME IN	10:04	13.63	15.25	TARE
TIME OUT	10:05	36.07	39.76	NET

TRUCK NO. 0520	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES TAYLOR
LOADS 3	TONNAGE 108.87	MEGAGRAMS 98.77	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281390

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10866

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/19/98

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00246
		JOB NO.	003582
		PRODUCT	10867 T JR66 SOIL
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		

		METRIC	ENGLISH	
DATE	10/19/96	44.02	48.52	GROSS
TIME IN	10:06	14.55	16.04	TARE
TIME OUT	10:06	29.47	32.48	NET

TRUCK NO. 0069	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY	JAMES S TAYLOR
LOADS 4	TONNAGE 141.35	MEGAGRAMS 128.23	RECEIVED BY	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281391

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10867

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ / AC65IC DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10864
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	37.72	41.58	GROSS
TIME IN	10:08	12.03	13.26	TARE
TIME OUT	10:08	25.69	28.32	NET

TRUCK NO. 0002	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 5	TONNAGE 169.67	MEGAGRAMS 153.92	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281392

COUNTY: MONMOUTH

NOTE TO TRANSPORTER

BILL OF LADING NO. 10864

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/PHONE NO. Dinker Desai (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/PHONE NO. Dinker Desai (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ 1AL192 NS DATE: 10/19/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10863 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	39.84	43.91	GROSS
TIME IN	10:11	11.89	13.11	TARE
TIME OUT	10:11	27.94	30.80	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
6	200.47	181.87	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

Tom

NO. 281393

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10863

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/PHONE NO. Dinker Desai (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/PHONE NO. Dinker Desai (732)532-1475

TRANSPORTER: RJT Transport

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ clerk of 1AD-437-J DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00246
		JOB NO.	003582
		PRODUCT	10869 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	41.62	45.77	GROSS
TIME IN	10:16	16.81	17.43	TARE
TIME OUT	10:17	25.71	28.34	NET

TRUCK NO.	0035	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS	7	TONNAGE 228.81	MEGAGRAMS 207.58	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281394

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10869

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ DATE: 10/19/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00246 JOB NO. 003562
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT 10871 T JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	46.46	51.24	GROSS
TIME IN	12:04	16.46	18.14	TARE
TIME OUT	12:04	30.03	33.10	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0099			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
8	261.91	237.60	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281411

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10871

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/19/98

TRANSPORTER SIGNATURE: DATE:

LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00246
		JOB NO.	003582
		PRODUCT	JR66 10870 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		SOIL

		METRIC	ENGLISH	
DATE	10/19/98	47.60	52.47	GROSS
TIME IN	12:05	15.49	17.08	TARE
TIME OUT	12:06	32.11	35.39	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S. TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
9	297.30	269.71	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281412

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10870

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/19/98

TRANSPORTER SIGNATURE: 1F2373 DATE: 10.19.98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10872
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		3R66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	39.47	43.51	GROSS
TIME IN	16:05	11.93	13.15	TARE
TIME OUT	12:16	27.49	30.30	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0002			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
10	327.60	0.00	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281759

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10872

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/13/98

TRANSPORTER SIGNATURE: _____ 1AL192PNJ DATE: 10/14/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00246
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10873 T JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	39.31	43.33	GROSS
TIME IN	12:17	11.92	13.14	TARE
TIME OUT	12:18	27.39	30.19	NET

TRUCK NO. 0004	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 11	TONNAGE 357.79	MEGAGRAMS 324.59	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281415

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10873

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: RJT Transport

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ 1AD437J DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP., NJ	PRODUCT	JR66 10875 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	41.73	46.00	GROSS
TIME IN	12:20	15.80	17.42	TARE
TIME OUT	12:20	25.93	28.58	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0035			JAMES R TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
12	386.37	350.51	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281417

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10875

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/19/98

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 45 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10878
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/96	50.06	55.18	GROSS
TIME IN	12:40	13.91	15.33	TARE
TIME OUT	12:41	36.15	39.85	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0520			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
13	426.22	386.67	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281419

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10878

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evens
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evens Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000Ts

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/12/98

TRANSPORTER SIGNATURE: _____ DATE: 10-12-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.12.98

TIME DRIVER ON SITE: 11:30 AM OFF SITE: 11:40 AM

MANAGER SIGNATURE

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00248 JOB NO. 003582 PRODUCT 10874 T JR66 SOIL
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	

		METRIC	ENGLISH	
DATE	10/19/98	46.47	53.43	GROSS
TIME IN	12:47	14.36	15.83	TARE
TIME OUT	12:47	34.11	37.60	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0069			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
14	463.82	420.78	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 28[illegible]

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10874

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ / Hasic DATE: 10/19/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00246 JOB NO. 003582 PRODUCT 10877 T JR66 SOIL
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	

		METRIC	ENGLISH	
DATE	10/19/96	46.50	51.26	GROSS
TIME IN	13:06	13.93	15.35	TARE
TIME OUT	13:06	32.58	35.91	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0000			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
15	499.73	453.3[illegible]	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281424

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10877

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: [illegible]

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: [signature] DATE: 10/19/98

TRANSPORTER SIGNATURE: [signature] LICENSE PLATE # DATE: 10/19/98

FACILITY SIGNATURE: [signature] DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00246 JOB NO. 003562
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT 10876 JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	43.52	47.97	GROSS
TIME IN	13:07	14.83	16.35	TARE
TIME OUT	13:08	28.69	31.62	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0285			JAMES S TAYLOR

LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
16	531.35	482.04	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281425

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10876

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: KJT Transport

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/16/98

TRANSPORTER SIGNATURE: _____ 1-A1586H DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10879 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	40.23	44.35	GROSS
TIME IN	13:37	12.06	13.29	TARE
TIME OUT	13:37	28.18	31.06	NET

TRUCK NO. 0012	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 17	TONNAGE 562.41	MEGAGRAMS 510.22	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281428

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10879

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/17/02

TRANSPORTER SIGNATURE: LICENSE PLATE # DATE: 10/17/02

FACILITY SIGNATURE: DATE:

TIME DRIVER ON SITE: 800 OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00248 JOB NO. 003582 PRODUCT 10880
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	46.91	51.71	GROSS
TIME IN	14:08	16.42	18.10	TARE
TIME OUT	14:08	30.49	33.61	NET

TRUCK NO. 0099	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 18	TONNAGE 596.02	MEGAGRAMS 540.71	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281431

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10880

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/17/02

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10/17/02

TIME DRIVER ON SITE: _____ OFF SITE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00246
		JOB NO.	003582
		PRODUCT	10881 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	49.37	54.42	GROSS
TIME IN	14:11	15.31	16.88	TARE
TIME OUT	14:11	34.06	37.54	NET

TRUCK NO. 0004	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 19	TONNAGE 633.56	MEGAGRAMS 574.77	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281432

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10881

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS
(X) OIL
( ) KEROSENE
( ) JET FUEL
( ) CRUDE OIL
( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH
(X) VOC
(X) TCLP METALS
(X) REACTIVITY
(X) CORROSIVITY
(X) FLASH POINT
(X) PCB
( ) OTHER TESTS REQUESTED
( ) OTHER TESTS REQUESTED

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ DATE: 10.19.98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10882
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	40.07	44.17	GROSS
TIME IN	14:12	11.95	13.17	TARE
TIME OUT	14:13	28.12	31.00	NET

TRUCK NO. 0002	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 20	TONNAGE 664.56	MEGAGRAMS 602.89	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281433

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10882

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~
Directorate of Public Works
ADDRESS: ~~Building 167~~
~~Ft. Monmouth, New Jersey 07703~~
CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: Evans Area
~~Wall Township, New Jersey~~
CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

TRANSPORTER:

CONSULTANT: ~~Allied Waste Services, Inc. - 2165 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000T±~~

ANALYSIS REQUIRED:

(X) TPH ( ) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ 1AC192P NJ DATE: 10/19/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	1085
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	38.48	42.42	GROSS
TIME IN	14:20	11.81	13.02	TARE
TIME OUT	14:20	26.67	29.40	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
21	693.96	629.56	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

Tom

NO. 281436

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10883

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: RJT Transport

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ clark cty LAD437J DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10/19/98

TIME DRIVER ON SITE: _____ OFF SITE: _____

JOB MANAGER SIGNATURE

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00248 JOB NO. 003582	
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT 10885 JR66 SOIL	

		METRIC	ENGLISH	
DATE	10/19/98	46.52	51.28	GROSS
TIME IN	14:28	15.86	17.48	TARE
TIME OUT	14:28	30.66	33.60	NET

TRUCK NO. 0035	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 22	TONNAGE 727.76	MEGAGRAMS 660.22	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281438

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10885

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/12/98

TRANSPORTER SIGNATURE: _____ DATE: _____

LICENSE-PLATE-#

FACILITY SIGNATURE: _____ DATE: _____

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10887 T JR66 SOIL
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		

		METRIC	ENGLISH	
DATE	10/19/98	51.66	56.94	GROSS
TIME IN	15:00	13.85	15.27	TARE
TIME OUT	15:01	37.80	41.67	NET

TRUCK NO. 0520	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 24	TONNAGE 805.40	MEGAGRAMS 730.66	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281442

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10887

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: [signature] DATE: 10/19/98

TRANSPORTER SIGNATURE: [signature] 1KU482 DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: [signature] DATE: 10-19-98

TIME DRIVER ON SITE: 1:32pm OFF SITE: 2:10pm

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003562
		PRODUCT	10884
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	47.52	52.38	GROSS
TIME IN	14:31	14.89	16.41	TARE
TIME OUT	14:31	32.63	35.97	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0001			JAMES S TAYLOR

LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
23	763.73	692.86	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281440

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10884

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~
Directorate of Public Works
ADDRESS: ~~Building 167~~
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: ~~Evans Area~~
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

TRANSPORTER:

CONSULTANT: ~~Allied Waste Services, Inc. 2163 Merrick Ave Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000T±~~

ANALYSIS REQUIRED:

(X) TPH ( ) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/88

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.88

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE NJ. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10889 JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	45.50	50.15	GROSS
TIME IN	15:02	14.34	15.81	TARE
TIME OUT	15:03	31.15	34.34	NET

TRUCK NO. 0069	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 25	TONNAGE 839.74	MEGAGRAMS 761.81	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281443

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10889

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 1/19/15

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: _____

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	00357
		PRODUCT	
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	53.91	59.42	GROSS
TIME IN	15:19	13.89	15.31	TARE
TIME OUT	15:19	40.02	44.11	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0000			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
26	883.85	801.63	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281444

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10886

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/15/98

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003562
		PRODUCT	10888 T
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	51.04	56.26	GROSS
TIME IN	15:22	14.71	16.22	TARE
TIME OUT	15:22	36.32	40.04	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0288			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
27	923.89	838.15	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281445

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10888

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: R.J.T Conroy

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/12

TRANSPORTER SIGNATURE: _____ DATE: 10-19-12
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.19.12

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO. 00248 JOB NO. 003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT 10890 JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	40.51	44.65	GROSS
TIME IN	15:28	12.08	13.32	TARE
TIME OUT	15:28	28.42	31.33	NET

TRUCK NO. 0012	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 28	TONNAGE 955.22	MEGAGRAMS 866.58	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281446

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10890

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: Building 167
~~Ft. Monmouth, New Jersey 07703~~
CONTACT/
PHONE NO. Dinker Desai ~~(732)532-1475~~

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
~~Wall Township, New Jersey~~
CONTACT/
PHONE NO. Dinker Desai ~~(732)532-1475~~

TRANSPORTER:

CONSULTANT: ~~Allied Waste Services, Inc. - 2165 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000T~~

ANALYSIS REQUIRED:

(X) TPH ( ) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/98

TRANSPORTER SIGNATURE: _____ LICENSE PLATE # _____ DATE: 10/19/98

FACILITY SIGNATURE: _____ DATE: 10.19.98

TIME DRIVER ON SITE: 200 OFF SITE: 215

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO: ~~EARLE ENVIRONMENTAL CORP.~~
PO.BOX 43
FARMINGDALE N.J. 07727

CUSTOMER NO. ~~00248~~

JOB NO. ~~003582~~

DELIVERED TO: FT. MONMOUTH ARM BASE
EVANS AREA, WALL TWP. NJ

PRODUCT JR66 / 0892 T
SOIL

		METRIC	ENGLISH	
DATE	10/19/98	~~43.22~~	~~47.64~~	GROSS
TIME IN	16:05	11.86	13.07	TARE
TIME OUT	16:05	31.36	34.57	NET

TRUCK NO.	0002	TIME ARRIVED JOB		TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS	29	TONNAGE	989.79	MEGAGRAMS 897.94	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 231447

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10892

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/15/98

TRANSPORTER SIGNATURE: 1AC192 PNJ DATE: 10/19/98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10-19-98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	JR66 SOIL

		METRIC	ENGLISH	
DATE	10/19/98	49.39	54.44	GROSS
TIME IN	16:13	16.38	18.06	TARE
TIME OUT	16:13	33.00	36.38	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0099			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
30	1026.17	930.94	

10893 T

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281448

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10893

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/02

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10/19/02

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10891 JR66 T SOIL
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		

		METRIC	ENGLISH	
DATE	10/19/98	49.29	54.33	GROSS
TIME IN	16:15	15.27	16.83	TARE
TIME OUT	16:16	34.02	37.50	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
31	1063.67	964.96	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281449

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10891

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/15/98

TRANSPORTER SIGNATURE: _____ 1P7-714 DATE: 10-16-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-19-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

OLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10894
ELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
ATE	10/19/98	39.74	43.81	GROSS
ME IN	16:19	11.87	13.08	TARE
ME OUT	16:19	27.88	30.73	NET

UCK NO. 0004	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
OADS 32	TONNAGE 1094.40	MEGAGRAMS 992.84	RECEIVED BY

ATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281450

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10894

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: RJT TRANSPORT

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: [signature] DATE: 10/19/98

TRANSPORTER SIGNATURE: [signature] 1 MD 137 DATE: 10-19-98
LICENSE PLATE #

FACILITY SIGNATURE: [signature] DATE: 10-19-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	JR66 10895 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	46.33	51.07	GROSS
TIME IN	16:21	15.08	16.62	TARE
TIME OUT	16:21	31.25	34.45	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0035			JAMES S TAYLOR

LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
33	1128.85	1024.09	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281451

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10895

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evens
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evens Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/19/12

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.19.93

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ.	PRODUCT	JR66 10896 T SOIL

		METRIC	ENGLISH	
DATE	10/19/98	42.94	47.33	GROSS
TIME IN	16:27	14.75	16.26	TARE
TIME OUT	16:27	28.19	31.07	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0001			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
34	1159.92	1052.28	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281455

AC788M

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10896

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/15/98

TRANSPORTER SIGNATURE: 1H198KM DATE: 10/15/98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.15.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10906
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 SOIL

		METRIC	ENGLISH	
DATE	10/20/96	40.31	44.43	GROSS
TIME IN	08:25	11.88	13.09	TARE
TIME OUT	08:25	28.43	31.34	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
10	353.51	320.70	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281594

OFFICE	JACKSON PLANT
P.O. DRAWER 757	ROUTE 547
ARMINGDALE, N.J. 07727	JACKSON, N.J. 08527
(732) 308-1113	(732) 657-8551

NOTE TO TRANSPORTER

BILL OF LADING NO. 10906

COUNTY: MONMOUTH

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans
ADDRESS: Directorate of Public Works
Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/
PHONE NO. Dinker Desai
(732)532-1475

CONTACT/
PHONE NO. Dinker Desai
(732)532-1475

TRANSPORTER: RST TRANSPORT

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
( ) OIL ( ) CRUDE OIL
(X) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

( ) TPH ( ) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS (X) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY
X

GENERATOR SIGNATURE: [signature] DATE: 10/20/98

TRANSPORTER SIGNATURE: [signature] DATE: 10-20-98
LICENSE PLATE # NJ 457J

FACILITY SIGNATURE: [signature] DATE: 10.20.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003562
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10903 JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	50.43	55.59	GROSS
TIME IN	08:23	15.24	16.80	TARE
TIME OUT	08:23	35.19	38.79	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S. TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
9	322.17	292.27	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281593

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10903

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~
Directorate of Public Works
ADDRESS: ~~Building 167~~
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: ~~Evans Area~~
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

TRANSPORTER:

CONSULTANT: ~~Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ 1E2313 LICENSE PLATE # DATE: 10-20-98

FACILITY SIGNATURE: _____ DATE: 10.20.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

DRIVER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10905
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	37.50	41.34	GROSS
TIME IN	08:05	12.01	13.24	TARE
TIME OUT	08:06	25.49	28.10	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0002			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
7X	245.56	222.77	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281591

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10905

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ PHONE NO. Dinker Desai (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ PHONE NO. Dinker Desai (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

( ) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ 1ACM28NS DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

SITE MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10904 T JR66 SOIL

		METRIC	ENGLISH	
DATE	10/20/98	50.77	55.96	GROSS
TIME IN	08:00	15.20	16.76	TARE
TIME OUT	08:01	35.56	39.20	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0003			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
6 X	217.46	197.28	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281589

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10904

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: ~~Building 167~~
Ft. Monmouth, New Jersey 07703

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: ~~Evans Area~~
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

CONTACT/ Dinker Desai
PHONE NO. ~~(732)532-1475~~

TRANSPORTER:

CONSULTANT: ~~Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000T+~~

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ / AD-2516C DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.20.98

TIME DRIVER ON SITE: 10:45 AM OFF SITE: 7:00 AM

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10902 JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	50.33	55.48	GROSS
TIME IN	08:21	16.02	17.66	TARE
TIME OUT	08:22	34.31	37.82	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0014			JAMES S TAYLOR
LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
8 ~~10~~	263.38	257.06	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281592

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10902

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans
ADDRESS: Directorate of Public Works
Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/
PHONE NO. Dinker Desai
(732)532-1475

CONTACT/
PHONE NO. Dinker Desai
(732)532-1475

TRANSPORTER: R & T Enterprises Inc #14

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
( ) OIL ( ) CRUDE OIL
(X) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T

ANALYSIS REQUIRED:

( ) TPH ( ) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS (X) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10897 JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	45.24	49.87	GROSS
TIME IN	06:48	14.73	16.24	TARE
TIME OUT	06:49	30.51	33.63	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0285			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
2	74.72	67.79	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281573

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10897

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area E
Wall Township, New Jersey

CONTACT/ PHONE NO. Dinker Desai (732)532-1475

CONTACT/ PHONE NO. Dinker Desai (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ). OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/95

TRANSPORTER SIGNATURE: DATE: 10-20-95
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10-20-95

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10898
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	51.10	56.33	GROSS
TIME IN	06:47	13.83	15.24	TARE
TIME OUT	06:47	37.28	41.09	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0000			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
1	41.09	37.28	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281572

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10898

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/99

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10-20-99

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10901
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	44.03	48.53	GROSS
TIME IN	07:12	15.28	16.84	TARE
TIME OUT	07:13	28.75	31.69	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0031			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
5	178.26	161.72	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

CLERK

NO. 281581

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10901

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: ~~Building 167~~
~~Ft. Monmouth, New Jersey 07703~~

SITE:
NAME: ~~Ft. Monmouth~~
ADDRESS: ~~Evans Area~~
~~Wall Township, New Jersey~~

CONTACT/ PHONE NO. Dinker Desai ~~(732)532-1475~~

CONTACT/ PHONE NO. Dinker Desai ~~(732)532-1475~~

TRANSPORTER: RJT Transport / RST 31

CONSULTANT: ~~Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000T+~~

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ AC6377 LICENSE PLATE # DATE: NJ 10/20/98

FACILITY SIGNATURE: _____ DATE: 10.20.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	JR66 10899 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	50.29	55.43	GROSS
TIME IN	06:50	16.07	17.71	TARE
TIME OUT	06:50	34.22	37.72	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0099			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
3	112.44	102.01	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281574

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10899

RANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/19/15

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10 20 15

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. P.O.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10900
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	JR66 SOIL	T

		METRIC	ENGLISH	
DATE	10/20/98	46.64	51.41	GROSS
TIME IN	07:04	15.68	17.28	TARE
TIME OUT	07:04	30.96	34.13	NET

TRUCK NO. 0035	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 4	TONNAGE 146.57	MEGAGRAMS 132.97	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281578

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10897

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: ~~Building 167~~
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area E
Wall Township, New Jersey

CONTACT/ PHONE NO. Dinker Desai (732)532-1475

CONTACT/ PHONE NO. Dinker Desai (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ). OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ DATE: 10-20-98

LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00246
		JOB NO.	003582
		PRODUCT	10909
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	44.14	48.65	GROSS
TIME IN	07:04	15.68	17.28	TARE
TIME OUT	09:36	28.46	31.37	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0035			JAMES S TAYLOR
LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
// X	384.88	349.16	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281605

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10909

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: _____

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ DATE: _____

LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.20.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10910
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP., NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	41.20	45.41	GROSS
TIME IN	09:37	14.61	16.10	TARE
TIME OUT	09:37	26.59	29.31	NET

TRUCK NO. 0285	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY (JAMES) S TAYLOR
LOADS 12	TONNAGE 414.19	MEGAGRAMS 375.75	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281606

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10910

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: R.J.T. Transport

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.20.98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10911
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	36.77	40.53	GROSS
TIME IN	09:45	15.25	16.81	TARE
TIME OUT	09:45	21.52	23.72	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0001			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
13 ~~15~~	437.91	397.27	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281609

AC988m

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10911

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: DATE:

LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10-20-98

TIME DRIVER ON SITE: OFF SITE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10908
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	44.35	48.89	GROSS
TIME IN	09:48	16.23	17.89	TARE
TIME OUT	09:48	28.12	31.00	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0099			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
14 ~~16~~	468.91	425.40	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281610

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

BILL OF LADING NO. 10908

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME _____

ADDRESS: _____

_____

CONTACT/
PHONE NO. _____

SITE:
NAME: _____

ADDRESS: _____

_____

CONTACT/
PHONE NO. _____

TRANSPORTER: _____

CONSULTANT: _____

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
( ) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): _____

ANALYSIS REQUIRED:

( ) TPH ( ) FLASH POINT
( ) VOC ( ) PCB
( ) TCLP METALS ( ) OTHER TESTS REQUESTED
( ) REACTIVITY ( ) OTHER TESTS REQUESTED
( ) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: _____

TRANSPORTER SIGNATURE: _____ / _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10907
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	37.72	41.58	GROSS
TIME IN	09:49	15.20	16.75	TARE
TIME OUT	09:50	22.53	24.83	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0031			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
15 ~~17~~	493.74	447.92	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281611

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

COUNTY : MONMOUTH

NOTE TO TRANSPORTER

BILL OF LADING NO. 10907

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

F

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/ PHONE NO.: Dinker Desai (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/ PHONE NO.: Dinker Desai (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: DATE:

LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.20.98

TIME DRIVER ON SITE: OFF SITE:

MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10914
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	37.64	41.49	GROSS
TIME IN	09:51	11.98	13.21	TARE
TIME OUT	09:51	25.66	28.28	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0002			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
16 ~~18~~	522.02	473.58	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. ~~281~~612

UNTY: MONMOUTH

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10914

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: 1AC192 P NJ DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10-20-98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

OLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10913
ELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
ATE	10/20/98	38.38	42.31	GROSS
ME IN	09:52	15.27	16.83	TARE
ME OUT	09:52	23.12	25.48	NET

UCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0000			JAMES S TAYLOR
ADS	TONNAGE	MEGAGRAMS	RECEIVED BY
17 ~~19~~	547.50	496.69	

TERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281613

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10913

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: AD-256C / DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.20.98

TIME DRIVER ON SITE: OFF SITE:

PROJECT MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10915
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	35.63	39.27	GROSS
TIME IN	09:54	11.92	13.14	TARE
TIME OUT	09:54	23.71	26.13	NET

TRUCK NO. 0004	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY JAMES S TAYLOR
LOADS 18	TONNAGE 573.63	MEGAGRAMS 520.40	RECEIVED BY

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281614

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10915

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME ~~Ft. Monmouth Army Base - Evans~~ Directorate of Public Works
ADDRESS: ~~Building 167~~
~~Ft. Monmouth, New Jersey 07703~~

SITE:
NAME: ~~Ft. Monmouth~~ Evans Area
ADDRESS: ~~Wall Township, New Jersey~~

CONTACT/ PHONE NO. Dinker Desai ~~(732)532-1475~~

CONTACT/ PHONE NO. Dinker Desai ~~(732)532-1475~~

TRANSPORTER: RJT Transport

CONSULTANT: ~~Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY~~

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): ~~2000't~~

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ 1AD-437J DATE: 10-20-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-2-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10910
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	39.18	43.19	GROSS
TIME IN	10:20	16.01	17.65	TARE
TIME OUT	10:21	23.17	25.54	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0014			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
19 ~~21~~	599.17	543.57	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281624

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10916

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: RJT Carrying NJ #14

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ 1YP8775 DATE: 10/20/98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10917 JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	39.06	43.08	GROSS
TIME IN	10:24	15.21	16.77	TARE
TIME OUT	10:25	23.87	26.31	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0004			JAMES S. TAYLOR

LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
20 ~~22~~	625.48	567.44	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. ~~281~~625

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10917

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: _____

TIME DRIVER ON SITE: _____ OFF SITE: _____

PROJECT MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

OLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10918
ELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
ATE	10/20/98	39.54	43.59	GROSS
ME IN	11:08	13.75	15.16	TARE
ME OUT	11:08	25.79	28.43	NET

TUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0035			JAMES S TAYLOR
OADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
21 ~~25~~	653.91	593.23	

ATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281629

OFFICE
P.O. DRAWER 757
ARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10918

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10 20 98

TIME DRIVER ON SITE: OFF SITE:

MANAGER SIGNATURE:

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10919 JR66 T SOIL
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		

		METRIC	ENGLISH	
DATE	10/20/98	39.27	43.29	GROSS
TIME IN	11:11	14.58	16.07	TARE
TIME OUT	11:11	24.69	27.22	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0285			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
22	681.13	617.92	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281630

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10919

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans
ADDRESS: Directorate of Public Works
Building 167
Ft. Monmouth, New Jersey 07703
CONTACT/
PHONE NO: Dinker Desai
(732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey
CONTACT/
PHONE NO. Dinker Desai
(732)532-1475

TRANSPORTER: KJT Ron Lacy

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
( ) OIL ( ) CRUDE OIL
(X) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T

ANALYSIS REQUIRED:

( ) TPH ( ) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS (X) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY
X

GENERATOR SIGNATURE: _____ DATE: 10/20/98

TRANSPORTER SIGNATURE: _____ DATE: 10-20-98
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10-20-98

TIME DRIVER ON SITE: _____ OFF SITE: _____

DRIVER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ	PRODUCT	10920 T JR66 SOIL

		METRIC	ENGLISH	
DATE	10/20/98	38.74	42.70	GROSS
TIME IN	11:36	16.19	17.85	TARE
TIME OUT	11:36	22.54	24.85	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0099			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
23 ~~25~~	705.98	640.47	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281634

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10920

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/99

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10.20.99

TIME DRIVER ON SITE: _____ OFF SITE: _____

MANAGER SIGNATURE: _____

OFFICE COPY

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	1092 1
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	34.06	37.54	GROSS
TIME IN	11:37	15.21	16.77	TARE
TIME OUT	11:38	18.84	20.77	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0031			JAMES S TAYLOR

LOADS	TONNAGE	MEGAGRAMS	RECEIVED BY
24 ~~25~~	726.75	659.31	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

NO. 281635

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10921

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME: Ft. Monmouth Army Base - Evans Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER: RJT Transport / RST ?/

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T±

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: _____ DATE: 10/20/14

TRANSPORTER SIGNATURE: _____ DATE: _____
LICENSE PLATE #

FACILITY SIGNATURE: _____ DATE: 10:20:14

TIME DRIVER ON SITE: _____ OFF SITE: _____

MANAGER SIGNATURE: _____

THE WALTER R. EARLE

CORPORATION

MANUFACTURERS OF BITUMINOUS CONCRETE

SOLD TO	EARLE ENVIRONMENTAL CORP. PO.BOX 43 FARMINGDALE N.J. 07727	CUSTOMER NO.	00248
		JOB NO.	003582
		PRODUCT	10922
DELIVERED TO	FT. MONMOUTH ARM BASE EVANS AREA, WALL TWP. NJ		JR66 T SOIL

		METRIC	ENGLISH	
DATE	10/20/98	39.31	43.33	GROSS
TIME IN	11:42	15.12	16.67	TARE
TIME OUT	11:42	24.19	26.66	NET

TRUCK NO.	TIME ARRIVED JOB	TIME LEFT JOB	WEIGHED BY
0001			JAMES S TAYLOR
LOADS	**TONNAGE**	**MEGAGRAMS**	**RECEIVED BY**
25	753.41	683.49	

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST FROM OUR TECHNICAL DEPARTMENT.

OFFICE
P.O. DRAWER 757
FARMINGDALE, N.J. 07727
(732) 308-1113

JACKSON PLANT
ROUTE 547
JACKSON, N.J. 08527
(732) 657-8551

NO. 281636

NOTE TO TRANSPORTER

COUNTY: MONMOUTH

BILL OF LADING NO. 10922

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.
COUNTY ROUTE 547
JACKSON, N.J. 08527
(732) 462-0272
(732) 657-9230 FAX

MAIL: THE EARLE ENVIRONMENTAL CORP.
P.O. DRAWER 43
FARMINGDALE, N.J. 07727

BILL OF LADING

GENERATOR:
NAME Ft. Monmouth Army Base - Evans
Directorate of Public Works
ADDRESS: Building 167
Ft. Monmouth, New Jersey 07703

SITE:
NAME: Ft. Monmouth
ADDRESS: Evans Area
Wall Township, New Jersey

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

CONTACT/ Dinker Desai
PHONE NO. (732)532-1475

TRANSPORTER:

CONSULTANT: Allied Waste Services, Inc. - 2163 Merrick Ave - Merrick, NY

PRIMARY CONTAMINATE OF CONCERN:

( ) GAS ( ) JET FUEL
(X) OIL ( ) CRUDE OIL
( ) KEROSENE ( ) LUBRICATING OIL

TOTAL QUANTITY (TONS): 2000T+

ANALYSIS REQUIRED:

(X) TPH (X) FLASH POINT
(X) VOC (X) PCB
(X) TCLP METALS ( ) OTHER TESTS REQUESTED
(X) REACTIVITY ( ) OTHER TESTS REQUESTED
(X) CORROSIVITY

GENERATOR SIGNATURE: DATE: 10/20/98

TRANSPORTER SIGNATURE: DATE:
LICENSE PLATE #

FACILITY SIGNATURE: DATE: 10.20.98

TIME DRIVER ON SITE: OFF SITE:

APPENDIX B

SOIL BORING LOGS AND MONITORING WELL CONSTRUCTION DETAILS AREA 9112/9114

Tetra Tech EM Inc.

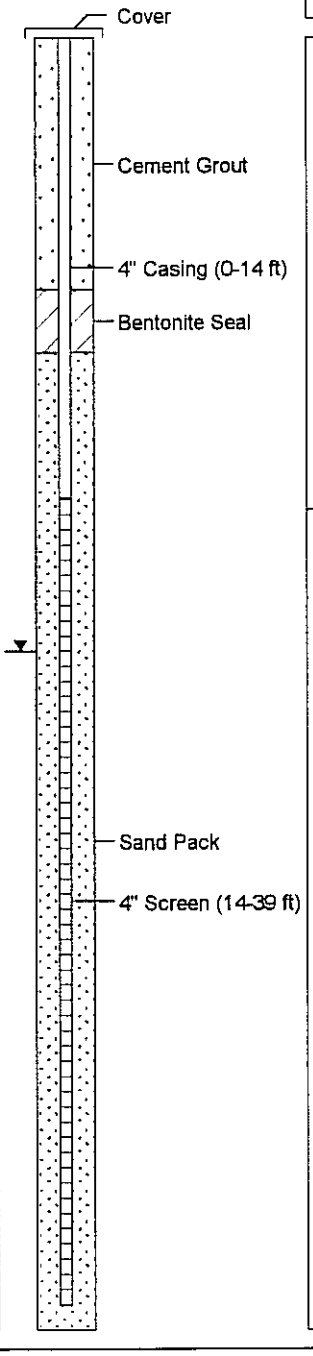
GEOLOGIC AND CONSTRUCTION LOG OF FEMW-13

TRANSFORMER AREA 9112/9114
EVANS AREA, FORT MONMOUTH, NJ

Well Completed	: 4/26/99
Company Rep.	: Kevin Phelan
Driller	: Lutz Environmental
Drilling Method	: Hollow Stem Auger
Borehole Diameter	: 8 in.

Depth in feet	GRAPHIC	DESCRIPTION	USCS	PID (ppm)	Blow Count	Recovery (in)
0		Dark gray/brown fine SAND, some silt	SM	0.0		
		Brown fine to medium SAND, little fine gravel, little silt	SW			
5		Grades to light brown medium to fine SAND, trace silt				
		Brown to Orange fine to medium SAND, little silt	SM	0.0	4 4 7 10	18
		Orange brown fine SAND, trace silt	SW	0.0	9 12 15 19	18
		Light brown/orange fine SAND, little silt	SM	0.0	15 12 9 9	13
10		Gray brown fine SAND, little fine gravel, little silt	SP	0.0	8 7 9 14	12
		Gray/light brown to orange fine SAND, little fine gravel, trace silt	SW	0.0	16 18 20 26	10
		Gray fine SAND, little silt, trace gravel	SP	0.1	14 12 12 11	10
15		Light brown/orange fine to medium SAND, little fine gravel, trace silt	SM	0.0	9 8 8 10	12
		Orange to light brown fine to medium SAND, little fine gravel, trace silt	SW	0.1	5 6 7 9	10
		Orange brown fine to medium SAND, little fine gravel, trace silt	SP	0.2	9 10 16 19	14
20		Light brown fine SAND, little silt,		0.1	25 11 13 12	10
		Grades to light brown/orange fine SAND, little silt	SW	0.2	7 10 12 13	10
		Light brown/orange fine to coarse SAND, little silt		0.0	8 9 7 10	11
25		Dark brown fine to coarse SAND, trace silt		0.0	27 44 25 9	16
		Light brown fine to medium SAND, trace silt		0.0	11 9 10 12	4
			SW	0.0	8 11 12 16	
30				0.4	23 39 26 28	
				0.4	18 22 26 31	
35						
40						

Well: FEMW-13
Elev.:



Well Construction Information

WELL CONSTRUCTION

Date Completed: 04/26/99
Borehole Dia. : 8 in.
Drilling Method: Hollow Stem Auger
Company Rep : K. Phelan

WELL CASING

Material	: PVC
Diameter	: 4 in.
Joints	: threaded

WELL SCREEN

Material	: PVC
Diameter	: 4 in.
Joints	: threaded
Opening	: 0.010 slot

NOTES

1. Continuous split-spoon samples were collected from 6 to 40 feet bgs.

2. Groundwater encountered at 19 feet bgs.

3. Analytical samples 9114-B1A and 9114-B1B collected at 18.5-19.0 bgs.

4. Well completed with a flush mount cover.

07-20-1999 h:\projec~1\femw-13.bor

Tetra Tech EM Inc.

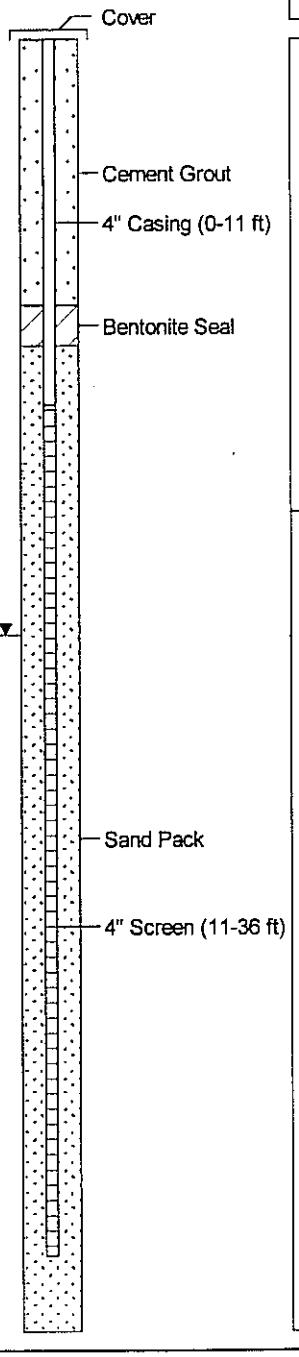
GEOLOGIC AND CONSTRUCTION LOG OF FEMW-14

TRANSFORMER AREA 9112/9114
EVANS AREA, FORT MONMOUTH, NJ

Well Completed	: 4/23/99
Company Rep.	: Kevin Phelan
Driller	: Lutz Environmental
Drilling Method	: Hollow Stem Auger
Borehole Diameter	: 8 in.

Depth in feet	GRAPHIC	DESCRIPTION	USCS	PID (ppm)	Blow Count	Recovery (in)
0		Dark brown to light brown fine to medium SAND, little silt, trace gravel	SM	0.0	4 5 5	15
2				0.0		
4				0.0	8 8 9	
6						
8		Light brown to orange fine to coarse SAND, trace silt	SW	0.0	10 11 11	11
10		Light gray/orange brown fine SAND, little silt	SW	0.0	10 15 19	14
12		Light gray/brown to orange fine to medium SAND, little silt	SW	0.0	8 10 12	18
14				0.0	18 9 11	13
16		Orange brown to gray fine SAND, little silt, little fine gravel		0.0	20 21 10	12
18				0.0	15 13 11	10.5
20				0.0	6 7 7 7	13
22			SW	0.0	7 11 16 21	12
24				-	3 5 12 15	15
26				-	11 21 22 24	13
28				-	7 14 18 16	21
30		Brown/orange brown fine to medium SAND, little silt	SM	-	3 8 11 14	16
32		Light brown fine to coarse SAND, trace silt	SW	-	16 25 31 34	24
34		Orange/red brown fine to medium SAND, little silt		0.0	12 14 16 19	1
36			SW	0.0	28 32 31 19	6
38					21 34 22 32	

Well: FEMW-12
Elev.:



Well Construction Information

WELL CONSTRUCTION

Date Completed 04/23/99
Borehole Dia. : 8 in.
Drilling Method : Hollow Stem Auger
Company Rep : K. Phelan

WELL CASING

Material : PVC
Diameter : 4 in.
Joints : threaded

WELL SCREEN

Material : PVC
Diameter : 4 in.
Joints : threaded
Opening : 0.010 slot

NOTES

1. Continuous split-spoon samples were taken from 6 to 38 feet bgs.
2. Groundwater encountered at 17.5 feet bgs.
3. Analytical samples were collected from nearby geoprobe borings.
4. Well completed with a flush mount cover

07-20-1999 h:\projec~1\femw-12.bor

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9001
Camp Evans Area

NJDEP UST Registration No. 90029-1

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EXECUTIVE SUMMARY

UST Closure

On January 14, 1998, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-1 (Fort Monmouth Identification No. 9001), was located west of Building 9001 in the Camp Evans area of Fort Monmouth. The UST was a 4,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the western end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the side of the UST and the only evidence of potentially contaminated soil was observed surrounding the UST fill port, the remote fill line of the tank, and the return/feed lines between the UST and Building 9001. Samples collected at the time the UST was removed contained total petroleum hydrocarbons (TPHC) concentrations ranging from non-detect to 11,723.05 milligrams per kilogram (mg/kg). After additional soil was removed, TPHC concentrations in the remaining soil range from non-detect (in all areas except adjacent to the return/feed line piping) to 3,040.14 mg/kg (adjacent to the return/feed line piping). Because of the high TPHC results, volatile organic compound (VOC) sampling was performed. The VOC samples contained concentrations ranging from non-detect to 14.26 micrograms per kilogram (ug/kg). The total amount of soil removed from the excavation was 30 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9001 area, as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in remaining soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg of TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-1 at Building 9001.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-1, was closed at Building 9001 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on January 14, 1998. The UST was a steel 4,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-1 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that at least one significant historical discharge was associated with both the remote fill line and the return/feed line piping of UST No. 90029-1.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9001 is located in the northeastern corner of the main section of the Camp Evans area of the Fort Monmouth Army Base (adjacent to Marconi Road), as shown in Figure 1. UST No. 90029-1 was located west of Building 9001 and associated piping ran approximately 15 feet east from the UST to Building 9001. The UST fill port area was located directly above the western end of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9001.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to removal because of the low volatility of No. 2 fuel oil (the majority of the associated piping could not be removed because of its proximity to Building 9065). After purging of the associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank at the eastern and western ends with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged temporarily on asphalt, and examined for holes. No holes were observed by the Tetra Tech subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed or detected by the PID/FID except for soil located adjacent to the fill port. Visual and PID/FID soil screening was also performed along piping associated with the UST. Contamination was noted adjacent to the remote fill line and the return/feed line piping.

The tank sludges and residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID/FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil adjacent to the remote fill line and the return/feed line piping was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID and FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST, as well as the UST excavation sidewalls and bottom, did not exhibit evidence of contamination; however, soil excavated from around the remote fill line and the return/feed line piping did exhibit indications of contamination and was transported to the soil staging area. Because of the proximity of Buildings 9065 and 9001 and the possibility of undermining the structures, only a portion of the soil adjacent to the return/feed line piping could be excavated.

2.2 SOIL SAMPLING

On January 15, 1998, following the removal of the UST, post-excavation soil samples 9001B1, 9001B2 (Duplicate of 9001B1), 9001B3, 9001B4, 9001W, 9001E, 9001S1, 9001S2, 9001N1, 9001N2, 9001RF, 9001RFL1, and 9001RFL2 were collected from twelve locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples (9001W, 9001E, 9001S1, 9001S2, 9001N1, 9001N2) were collected at the edge of the former UST location at a depth of 7.5 to 8.0 feet below ground surface (bgs). Bottom samples (9001B1, 9001B2, 9001B3, 9001B4) were collected from 0 to 6-inches beneath the former UST location at a depth of 8 to 8.5-feet below ground surface (bgs). Sample 9001 RF was collected at the eastern edge of the excavation along the former return/feed line piping length, which was approximately 15 feet in length. Sample 9001RF was collected from 2.5 to 3-feet bgs. Sample 9001RFL1 was collected at the point where the main UST excavation and the remote fill line excavation met from 2.5 to 3-feet bgs. Sample 9001 RFL2 was collected beneath the location where the remote fill line began (adjacent to First Street) from 3 to 3.5-feet bgs. In addition, sample 9001OBS was collected (as a composite sample) from the overburden soil piles to verify that the piles were not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

Analytical results of the original post-excavation samples revealed 1,202.93 milligrams per kilograms (mg/kg) TPHC at the 9001RF sample location and 11,723.05 mg/kg TPHC at the 9001RFL2 sample location. Both concentrations exceed 1,000 mg/kg TPHC, which is NJDEP's criterion for additional soil removal/remediation or for required volatile organic compound (VOC) sampling. As a result, on February 6, 1998, Tetra Tech and SMC excavated additional soil from the remote fill line excavation and collected post-excavation soil samples 9001RFL3, 9001RFL4 (Duplicate of 9001RFL3), 9001RFL5, 900RFL6 from a total of three sampling locations. All samples were collected from 5.5 to 6-feet bgs and

analyzed for TPHC and total solids.

Because of the proximity of the return/feed lines to Buildings 9065 and 9001, only a limited amount of soil could be excavated without the risk of undermining the building structures. After the limited soil excavation had been completed, on March 6, 1998, post-excavation soil samples 9001RF(2) and 9001RF(3) (Duplicate of 9001RF(2)) were collected from one sampling location. In addition, samples 9001V00001 and 9001V00002 were collected from the same location from 2 to 2.5-feet bgs. Samples 9001RF(2) and 9001RF(3) were submitted for TPHC analysis and samples 9001V00001 and 9001V00002 were submitted for VOC + 10 analysis.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory (operated by TVS) in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions following removal of the UST, remote fill lines, and associated piping, post-excavation soil samples were collected from twelve locations on January 15, 1998, three locations on February 6, 1998, and one location on March 6, 1998. All samples were analyzed for TPHC and total solids and the samples collected on March 6, 1998 were also analyzed for VOC+10. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

All of the post-excavation soil samples collected from the UST excavation and from below piping associated with the UST contained concentrations of TPHC below the NJDEP soil cleanup criterion of 10,000 mg/kg. Samples contained TPHC concentrations ranging from non-detect to 3,040.14 mg/kg; however, analysis of collected VOC samples revealed no contamination.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9001 were below the NJDEP soil cleanup criterion for required total organic contaminant analysis.

Based on post-excavation sampling results, soil containing concentrations exceeding the NJDEP soil cleanup criterion of 10,000 mg/kg for total organic contaminants, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, do not exist in the former location of the associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-1 at Building 9001.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9001, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9001B1	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001B2	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001B3	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001B4	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001W	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001E	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001S1	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001S2	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001N1	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001N2	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RF	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RF(2)**	3/6/98	3/10/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RF(3)**	3/6/98	3/10/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RFL1	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001OBS	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RFL2	1/15/98	1/20/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RFL3**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RFL4**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RFL5**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001RFL6**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9001OBS(4)	3/6/98	3/10/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Sample collected to remediate contamination found in sample above.

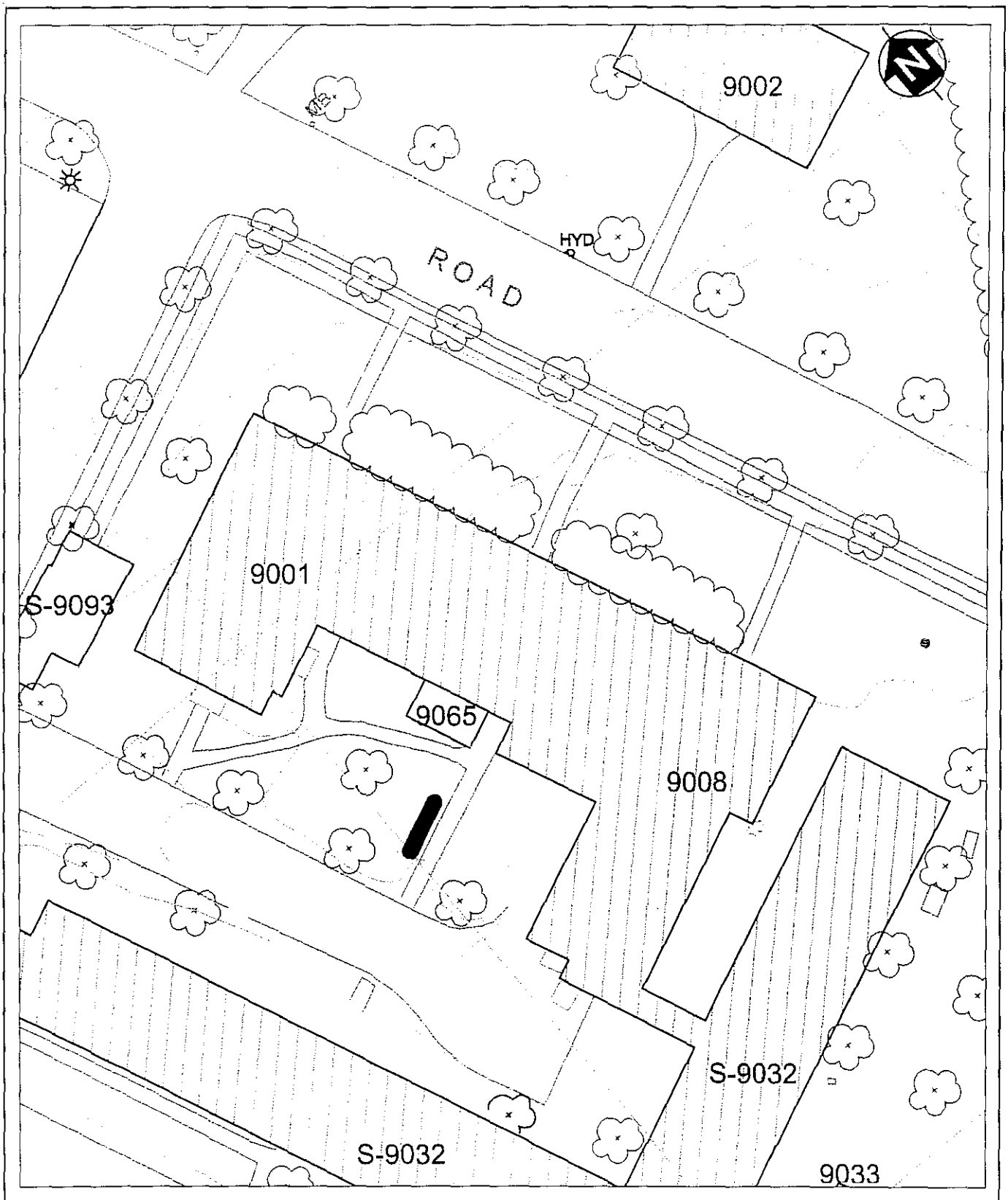
Table 2
Post-Excavation Soil Sampling Results
Building 9001, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9001B1	3288.01	1/15/1998	1/20 - 21/98	TPHC	176	ND	10,000	No
9001B2	3288.02	1/15/1998	1/20 - 21/98	TPHC	164	ND	10,000	No
9001B3	3288.03	1/15/1998	1/20 - 21/98	TPHC	162	ND	10,000	No
9001B4	3288.04	1/15/1998	1/20 - 21/98	TPHC	165	ND	10,000	No
9001W	3288.05	1/15/1998	1/20 - 21/98	TPHC	170	ND	10,000	No
9001E	3288.06	1/15/1998	1/20 - 21/98	TPHC	166	ND	10,000	No
9001S1	3288.07	1/15/1998	1/20 - 21/98	TPHC	165	ND	10,000	No
9001S2	3288.08	1/15/1998	1/20 - 21/98	TPHC	165	ND	10,000	No
9001N1	3288.09	1/15/1998	1/20 - 21/98	TPHC	171	ND	10,000	No
9001N2	3288.10	1/15/1998	1/20 - 21/98	TPHC	175	ND	10,000	No
9001RF	3288.11	1/15/1998	1/20 - 21/98	TPHC	163	1,202.93	10,000	**Yes**
9001RF(2)**	3394.04	3/6/1998	3/10 - 11/98	TPHC	173	2,792.25	10,000	**Yes**
9001RF(3)**	3394.05	3/6/1998	3/10 - 11/98	TPHC	174	3,040.14	10,000	**Yes**
9001RFL1	3288.12	1/15/1998	1/20 - 21/98	TPHC	162	ND	10,000	No
9001OBS	3288.13	1/15/1998	1/20 - 21/98	TPHC	172	ND	10,000	No
9001RFL2	3288.14	1/15/1998	1/20 - 21/98	TPHC	162	11,723.05	10,000	**Yes**
9001RFL3**	3325.04	2/6/1998	2/9 - 11/98	TPHC	167	ND	10,000	No
9001RFL4**	3325.05	2/6/1998	2/9 - 11/98	TPHC	168	ND	10,000	No
9001RFL5**	3325.06	2/6/1998	2/9 - 11/98	TPHC	165	ND	10,000	No
9001RFL6**	3325.07	2/6/1998	2/9 - 11/98	TPHC	158	ND	10,000	No
9001OBS(4)	3394.06	3/6/1998	3/10 - 11/98	TPHC	171	ND	10,000	No

Note:

Samples collected on 2/6/98 were re-analyzed between 2/19/98 and 2/21/98 after a malfunction was discovered in the laboratory instrumentation. The sample results were unchanged after the re-analysis.

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.



UNDERGROUND STORAGE TANK

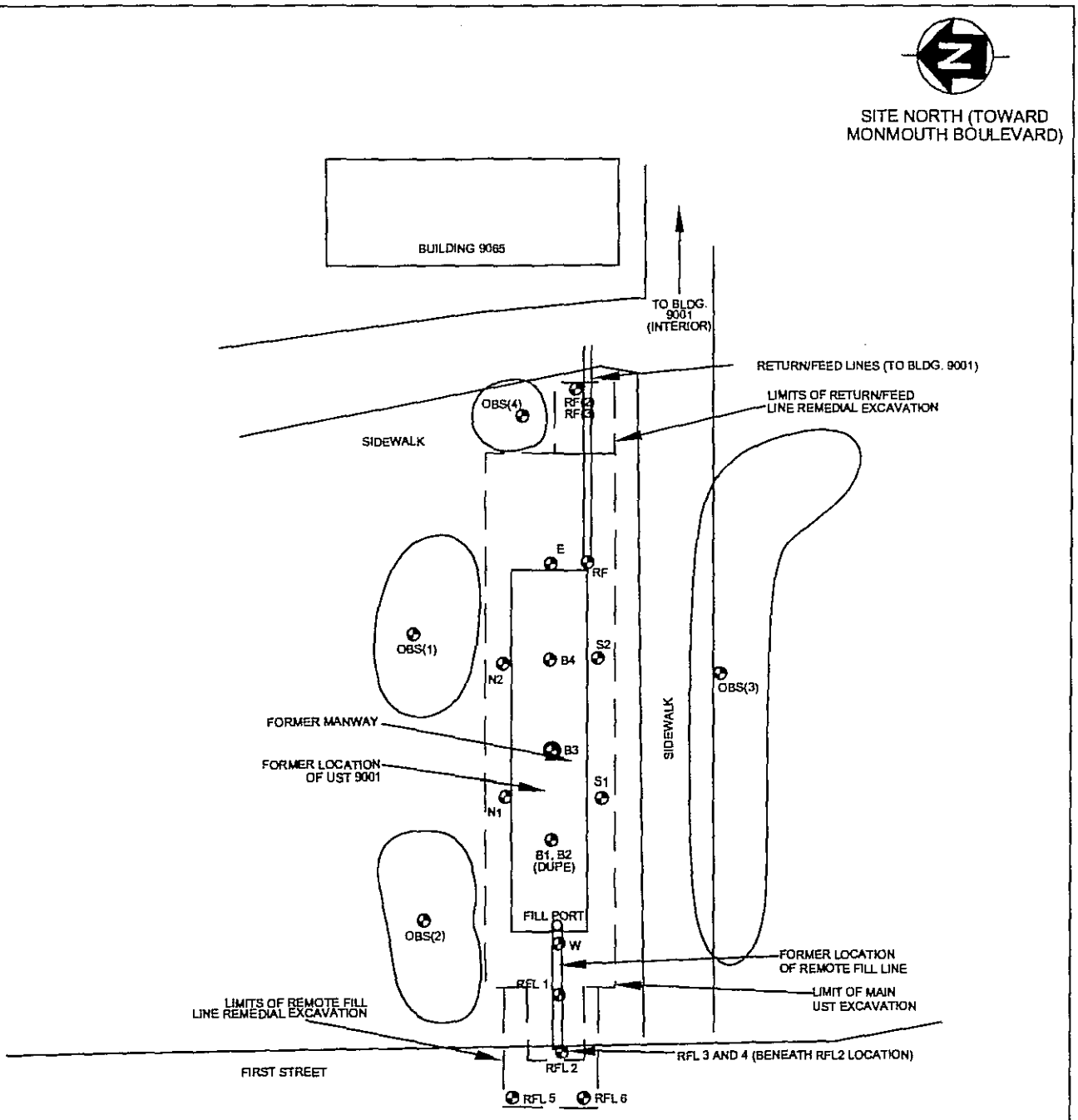
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9001 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9001.DWG ASC 01/19/99



NOTES:

1) UST-9001 WAS 24' LONG AND 5' WIDE
2) ALL SAMPLE DESIGNATIONS ARE PRECEDED BY "9001-"
3) SAMPLE DEPTHS
   A) B1, B2, B3, B4: 8.0' TO 8.5'
   B) W, E, S1, S2, N1, N2: 7.5' TO 8.0'
   C) RF, RFL1: 2.5' TO 3.0'
   D) RFL2: 3.0' TO 3.5'
   E) RFL3, RFL4, RFL5, RFL6: 5.5' TO 6.0'
   F) RF(2), RF(3): 2.0' TO 2.5'
   G) OBS(1), OBS(2), OBS(3), OBS4: PILE (OBS(1), OBS(2), OBS(3) WERE COMPOSITED TO FORM A SINGLE SAMPLE; OBS4 WAS A GRAB SAMPLE)
4) SAMPLES V00001 AND V00002 WERE COLLECTED AT THE RF(2) AND RF(3) SAMPLE LOCATIONS FOR VOC ANALYSIS.
5) SAMPLE IDS WERE ASSIGNED BASED ON SITE NORTH TOWARDS MONMOUTH BOULEVARD

5 0 5 10
SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9001
UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

9001.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-1

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 01
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-1

PHOTO 1: View of UST-9001 being uncovered (looking west).

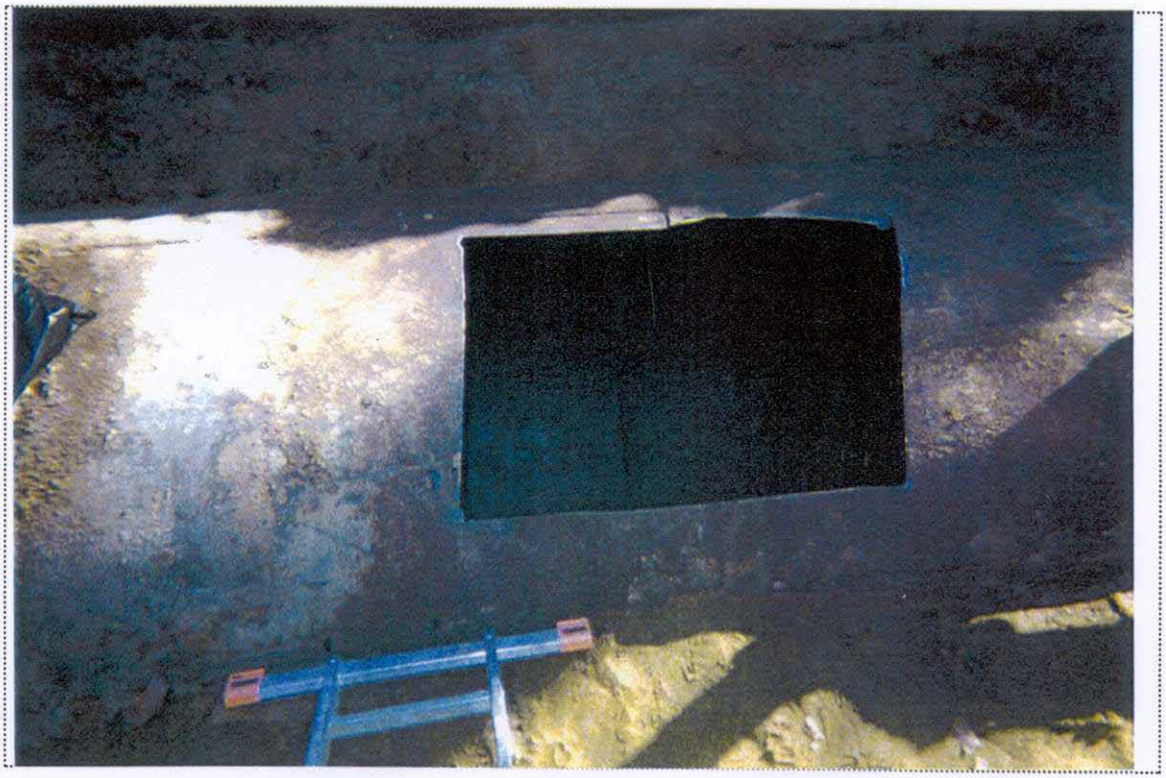


PHOTO 2: View of the cleaned interior of UST-9001 (looking south).

PHOTO 3: View of sampling locations in the UST-9001 excavation (looking east).

PHOTO 4: View of UST-9001 staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-1

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3288
	DPW. SELFM-PW-EV	**Date Rec'd:**	16-Jan-98
	Bldg. 173	**Analysis Start:**	20-Jan-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	21-Jan-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9001

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3288.01	9001-B1	1.00	15.50	86.35	176	ND
3288.02	9001-B2	1.00	15.07	94.89	164	ND
3288.03	9001-B3	1.00	15.15	95.63	162	ND
3288.04	9001-B4	1.00	15.01	94.89	165	ND
3288.05	9001-W	1.00	15.05	92.00	170	ND
3288.06	9001-E	1.00	15.11	93.59	166	ND
3288.07	9001-S1	1.00	15.22	93.33	165	ND
3288.08	9001-S2	1.00	15.02	95.08	165	ND
3288.09	9001-N1	1.00	15.17	90.79	171	ND
3288.10	9001-N2	1.00	15.27	87.86	175	ND
3288.11	9001-RF	1.00	15.16	94.87	163	1202.93
3288.12	9001-RFL1	1.00	15.23	95.21	162	ND
3288.13	9001-OBS	1.00	15.24	89.77	172	ND
3288.14	9001-RFL2	1.00	15.27	95.10	162	11723.05
METHOD BLANK	20-Jan-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3325
	DPW. SELFM-PW-EV	**Date Rec'd:**	06-Feb-98
	Bldg. 173	**Analysis Start:**	18-Feb-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	19-Feb-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldgs 9009/9001/9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3325.01	9009-CNFRM2	1.00	15.15	86.64	179	ND
3325.02	9009-CNFRM3	1.00	15.27	87.44	176	ND
3325.03	9009-CNFRM4	1.00	15.62	87.27	172	ND
3325.04	9001-RFL3	1.00	15.70	89.42	167	ND
3325.05	9001-RFL4	1.00	15.44	90.58	168	ND
3325.06	9001-RFL5	1.00	15.90	89.64	165	ND
3325.07	9001-RFL6	1.00	15.36	96.93	158	ND
3325.08	9006-RFL(2)-4	1.00	15.43	92.80	164	ND
3325.09	9006-RFL(2)-5	1.00	15.10	92.41	168	ND
3325.10	9006-RFL(2)-6	1.00	15.23	87.74	176	ND
3325.11	9006-RFL(2)-7	1.00	15.35	88.54	173	ND
3325.12	9006-RFL(2)-8	1.00	15.19	92.87	167	ND
METHOD BLANK	9-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3394
	DPW. SELFM-PW-EV	**Date Rec'd:**	06-Mar-98
	Bldg. 173	**Analysis Start:**	09-Mar-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	12-Mar-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9001

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3394.04	9001-RF(2)	1.00	15.45	88.09	173	2565.10
3394.05	9001-RF(2)	1.00	15.31	88.38	174	2925.57
3394.06	9001-OBS4	1.00	15.68	87.68	171	ND
METHOD BLANK	13-Jan-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3394.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03142.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	4800	
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3394.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03142.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
95-50-1	1,2-Dichlorobenzene	750	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V00001

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3394.02

Sample wt/vol: 12.7 (g/ml) G Lab File ID: V03143.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1400	U
107131	Acrylonitrile	1400	U
75650	tert-Butyl alcohol	2600	U
1634044	Methyl-tert-Butyl ether	590	U
108203	Di-isopropyl ether	390	U
	Dichlorodifluoromethane	790	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	590	U
74-83-9	Bromomethane	390	U
75-00-3	Chloroethane	590	U
75-69-4	Trichlorofluoromethane	390	U
75-35-4	1,1-Dichloroethene	200	U
67-64-1	Acetone	390	U
75-15-0	Carbon Disulfide	200	U
75-09-2	Methylene Chloride	3800	
156-60-5	trans-1,2-Dichloroethene	390	U
75-35-3	1,1-Dichloroethane	200	U
108-05-4	Vinyl Acetate	590	U
78-93-3	2-Butanone	590	U
	cis-1,2-Dichloroethene	200	U
67-66-3	Chloroform	200	U
75-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon Tetrachloride	390	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	390	U
79-01-6	Trichloroethene	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
110-75-8	2-Chloroethyl vinyl ether	390	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	390	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	390	U
79-00-5	1,1,2-Trichloroethane	390	U
127-18-4	Tetrachloroethene	200	U
591-78-6	2-Hexanone	390	U
126-48-1	Dibromochloromethane	390	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	390	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

V00001

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3394.02

Sample wt/vol: 12.7 (g/ml) G Lab File ID: V03143.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	590	U
1330-20-7	o-Xylene	390	U
100-42-5	Styrene	390	U
75-25-2	Bromoform	390	U
79-34-5	1,1,2,2-Tetrachloroethane	390	U
541-73-1	1,3-Dichlorobenzene	590	U
106-46-7	1,4-Dichlorobenzene	590	U
95-50-1	1,2-Dichlorobenzene	590	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V00002

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3394.03

Sample wt/vol: 11.7 (g/ml) G Lab File ID: V03144.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1500	U
107131	Acrylonitrile	1500	U
75650	tert-Butyl alcohol	2800	U
1634044	Methyl-tert-Butyl ether	640	U
108203	Di-isopropyl ether	430	U
	Dichlorodifluoromethane	850	U
74-87-3	Chloromethane	210	U
75-01-4	Vinyl Chloride	640	U
74-83-9	Bromomethane	430	U
75-00-3	Chloroethane	640	U
75-69-4	Trichlorofluoromethane	430	U
75-35-4	1,1-Dichloroethene	210	U
67-64-1	Acetone	430	U
75-15-0	Carbon Disulfide	210	U
75-09-2	Methylene Chloride	3900	
156-60-5	trans-1,2-Dichloroethene	430	U
75-35-3	1,1-Dichloroethane	210	U
108-05-4	Vinyl Acetate	640	U
78-93-3	2-Butanone	640	U
	cis-1,2-Dichloroethene	210	U
67-66-3	Chloroform	210	U
75-55-6	1,1,1-Trichloroethane	210	U
56-23-5	Carbon Tetrachloride	430	U
71-43-2	Benzene	210	U
107-06-2	1,2-Dichloroethane	430	U
79-01-6	Trichloroethene	210	U
78-87-5	1,2-Dichloropropane	210	U
75-27-4	Bromodichloromethane	210	U
110-75-8	2-Chloroethyl vinyl ether	430	U
10061-01-5	cis-1,3-Dichloropropene	210	U
108-10-1	4-Methyl-2-Pentanone	430	U
108-88-3	Toluene	210	U
10061-02-6	trans-1,3-Dichloropropene	430	U
79-00-5	1,1,2-Trichloroethane	430	U
127-18-4	Tetrachloroethene	210	U
591-78-6	2-Hexanone	430	U
126-48-1	Dibromochloromethane	430	U
108-90-7	Chlorobenzene	210	U
100-41-4	Ethylbenzene	430	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

V00002

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3394.03

Sample wt/vol: 11.7 (g/ml) G Lab File ID: V03144.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	640	U
1330-20-7	o-Xylene	430	U
100-42-5	Styrene	430	U
75-25-2	Bromoform	430	U
79-34-5	1,1,2,2-Tetrachloroethane	430	U
541-73-1	1,3-Dichlorobenzene	640	U
106-46-7	1,4-Dichlorobenzene	640	U
95-50-1	1,2-Dichlorobenzene	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3394.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03142.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

V00001

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3394.02

Sample wt/vol: 12.7 (g/ml) G Lab File ID: V03143.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

V00002

Lab Name: FMETL NJDEP # 13461

Project: 971251 Case No.: 3394 Location: Bldg90 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3394.03

Sample wt/vol: 11.7 (g/ml) G Lab File ID: V03144.D

Level: (low/med) MED Date Received: 03/06/98

% Moisture: not dec. 0 Date Analyzed: 03/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

APPENDIX D

UST DISPOSAL CERTIFICATE

UST NO. 90029-1

1995 8:52PM FROM JMT ENVIRON. TECH. 610 759 6149 P.03

Reorder From:
The Drawing Board
P.O. Box 2944 • Hartford, CT 06104-2944
Call Toll Free: 1-800-527-9830

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 031

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building 9001
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall NJ 07719
Route:	Vehicle Number:

No. Shipping Units	Kind	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		For Scrap Only			
		7,000 Gallon U.S.T Shell			
		Clean			
		Building # 9001			
		TANK # 9002 9-1			

PERMIT
C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required by state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above - 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box when box is checked
FREIGHT TO BE COLLECTED ☐ Check box when box is checked

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David K. Daniels (Agent)

CARRI SMC ENVIRONMENTAL SERVICES GROUP
PER Mark C Spicuk
DATE 1/19/98

"Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder from BILN174 The Drawing Board, P.O. Box 2944, Hartford, CT 06104-2944
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SMC Environmental Services Group
A Subsidiary of Science Management Corporation
P.O. Box 859
Valley Forge, Pennsylvania 19482
Telephone (610) 265-2700

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CERTIFICATE OF NON-HAZARDOUS VESSEL

FACILITY: Camp Evans (U.S. Army)
Wall, NJ
Building # 9001

VESSEL: 1/2 4,000-Gallon steel UST
(Formally # 2 Fuel oil)

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 1/14/98, 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 / Site Manager
Print or Type Name Here

Reorder From:
The Drawing Board
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 032

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To (Consignee) Mazza + Sons, INC	From (Shipper) U.S. Army Camp Evans
Street 3230 Shafto Road	Street Building 9001
Destination Tinton Falls, NJ ZIP Code 07753	Origin Wall NJ 07719
Route	Vehicle Number

No. Shipping Units	* HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		For Scrap Only			
		1/2 4,000 Gallon U.S.T Steel			
		Tank			
		Building # 9001			
		TANK # 90029-1			

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above - 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

FREIGHT CHARGES
Check box where applicable
☐ Collect ☐ Prepaid

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Daniels (Agent)

CARRI SMC ENVIRONMENTAL SERVICES GROUP
PER Mark C. Spada
DATE 1/19/98

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN174 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
©EGL 1992, Printed in U.S.A.

1995 8:52PM FROM JMT ENVIRON TECH 618 759 6149 P.03

32

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: Camp Evans (U.S. Army)
Wall, NJ
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SMC ENVIRONMENTAL SERVICES GROUP
SIGNATURE OF CERTIFICATION

David H. Daniels
Signature

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

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-1

LORCO PETROLEUM SERVICES

P.O. Box [illegible], NJ 08857
732[illegible]
Fax (732) 721-0231

STANDING ORDER / SERVICE ORDER #

GENERATOR/LOCATION

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY / STATE / ZIP

PHONE NUMBER / PURCHASE ORDER NUMBER

EPA ID NO. (IF APPLICABLE) / STATE ID NO. (IF APPLICABLE)

BILL TO

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY / STATE

PHONE NUMBER / PURCHASE ORDER NUMBER

MANIFEST NUMBER

SHIPPING INFORMATION

This is to certify that the above 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)	GATES 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	NJD	600	GAL			
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
504	TANK ENTRY						
800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41515	NEW 55 GAL DRUM W/						
41503	QA/QC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT						
41509	TRANSPORTATION						

(1 PUMP OUT 2 DRUMS 2 OIL BOTTOMS 500-600 GALS)

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICES REFLECTING CHARGES TO CUSTOMER ACCOUNTS ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1.5% 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.

$

NJD

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

Charles Healy — Env Prot Spc

Print Name / Title

Signature — Date

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 COT TEST RESULTS

N/A PPM

PAYMENT RECEIVED SECTION

CASH / TOTAL RECEIVED

CHECK NUMBER

CUSTOMER SERVICED EVERY 30 DAYS

In accordance with 40 CFR 266.§ 435 (1) (2) (i) (ii) I certify that I am authorized by the USEPA at this location and that all treatment activities

Print Name

Signature — Date

LORCO REPRESENTATIVE

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ3210002034 | Manifest Document No. 09548 | 2. Page 1 of 1 | NHZ 009548

3. Generator's Name and Mailing Address: US Army Communications Electronics Command, Camp Evans Area, Ft. Monmouth, N.J., 07703

4. Generator's Phone ( )

5. Transporter 1 Company Name: LIONETTI OIL RECOVERY CO INC | 6. US EPA ID Number: NJD084044064 | 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: NJD084044064 | C. Facility's Phone: 908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLEL LIQUID UN1270 PGIII	001	T	XX600	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: T,L PETROLEUM OIL 98% WATER 2%

E. Handling Codes for Wastes Listed Above: T04 FILTRATION

15. Special Handling Instructions and Additional Information: 24 HR EMERGENCY RESPONSE#(908) 721-0900 DECAL# 8708 ERG#128 DEXSIL TEST KIT RESULTS N/A 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 Apsley | Signature: SELF-PU-SAL | Month 10 Day 12 Year 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DON TAGLIAVOT | Signature | Month 10 Day 12 Year 88

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'S COPY

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Non Hazardous Waste Manifest No. 09548 dated 1-28-98, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

L-21: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

L-22: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

L-23: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

L-24: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

L-25: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

L-26: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

L-28. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: N/A PPM halogens.

I am duly authorized to sign said certification.

Generator U.S. Army Communications Electronics Command

Generator's EPA ID No. NJ3210020324

Address Camp Evans Area, Ft. Monmouth, N.J., 07703

Print Name Charles Appleby Signature

Title Env. Prot. Spec. SELFM-PW-EV

Date 1-28-98

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9003
Camp Evans Area

NJDEP UST Registration No. 192468-2

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Appendix B Photographs of UST Closure
Appendix C Soil Sample Analytical Data Package
Appendix D UST Disposal Certificate
Appendix E Waste Manifest for Off-site Transport of UST Contents

EXECUTIVE SUMMARY

UST Closure

On September 23, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 192468-2 (Fort Monmouth Identification No. 9003), was located east of Building 9003 in the Camp Evans area of Fort Monmouth. The UST was a 550-gallon No. 2 fuel oil tank. The UST fill port was located directly above the southern end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST and the only evidence of potentially contaminated soil was observed surrounding the fill port. Samples collected at the time the UST was removed contained total petroleum hydrocarbons (TPHC) concentrations ranging from non-detect to 416.32 milligrams per kilogram (mg/kg). The total amount of soil removed from the excavation was 5 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9003 area, as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 192468-2 at Building 9003.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 192468-2, was closed at Building 9003 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on September 23, 1997. The UST was a steel 550-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 192468-2 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that no significant historical discharges are associated with UST No. 192468-2 or associated piping.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9003 is located on the east side of Marconi Road in the Camp Evans area of the Fort Monmouth Army Base as shown in Figure 1. UST No. 192468-2 was located east of Building 9003 and associated piping ran approximately 8 feet west from the UST to Building 9003. The UST fill port area was located directly above the southern end of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9003.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged on polyethylene sheeting, and examined for holes. No holes or punctures were observed by the Tetra Tech site manager and the SMC subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed or detected by the PID/FID except for soil located adjacent to the UST fill port. Visual and PID/FID soil screening was also performed along piping associated with the UST. No contamination was noted anywhere along the piping length.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID/FID air monitoring results, soil adjacent to the UST fill port was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: David H. Daniels
  Employer: SMC Environmental Services Group
  Telephone No.: (215) 788-7844
  NJDEP Certification No.: 0010279

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID and FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST and associated piping, as well as the UST excavation sidewalls and bottom, did not exhibit evidence of contamination.

2.2 SOIL SAMPLING

On September 23, 1997, following the removal of the UST, post-excavation soil samples 9003B1, 9003B2, 9003B3 (Duplicate of 9003B2), 9003S, 9003E, 9003W, 9003N, and 9003RF were collected from seven locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples (9003S, 9003E, 9003W, 9003N) were collected at the edge of the former UST location at a depth of 4.5 to 5.0 feet below ground surface (bgs). Bottom samples (9003B1, 9003B2, 9003B3) were collected from 0 to 6-inches beneath the former UST location, or 5.0 to 5.5 feet bgs. Sample 9003RF was collected from next to Building 9003 along the former return/feed line piping length of the excavation, which was approximately 8 feet long. Sample 9003RF was collected from 2 to 2.5-feet bgs. Sample 9003OBS was collected from the overburden soil pile to verify that the pile was not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions following removal of the UST and associated piping, post-excavation soil samples were collected from seven locations on September 23, 1997. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact total organic contaminants soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

All of the post-excavation soil samples collected on September 23, 1997, from the UST excavation and from below piping associated with the UST contained concentrations of TPHC below the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg. The samples contained TPHC concentrations ranging from non-detect to 416.32 mg/kg.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9003 were below the NJDEP soil cleanup criterion for required total organic contaminant analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, do not exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 192468-2 at Building 9003.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9003, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9003OBS	9/22/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003RF	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003B1	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003B2	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003B3	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003S	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003E	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003W	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9003N	9/23/97	9/24/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons

Table 2
Post-Excavation Soil Sampling Results
Building 9003, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9003OBS	3007.01	9/22/97	9/24/97	TPHC	166	ND	10,000	No
9003RF	3010.01	9/23/97	9/24 -25/97	TPHC	153	416.32	10,000	No
9003B1	3010.02	9/23/97	9/24 -25/97	TPHC	166	ND	10,000	No
9003B2	3010.03	9/23/97	9/24 -25/97	TPHC	157	ND	10,000	No
9003B3	3010.04	9/23/97	9/24 -25/97	TPHC	164	ND	10,000	No
9003S	3010.05	9/23/97	9/24 -25/97	TPHC	163	ND	10,000	No
9003E	3010.06	9/23/97	9/24 -25/97	TPHC	167	ND	10,000	No
9003W	3010.07	9/23/97	9/24 -25/97	TPHC	168	ND	10,000	No
9003N	3010.08	9/23/97	9/24 -25/97	TPHC	164	ND	10,000	No

Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria
ND Not detected
TPHC Total petroleum hydrocarbons

UNDERGROUND STORAGE TANK

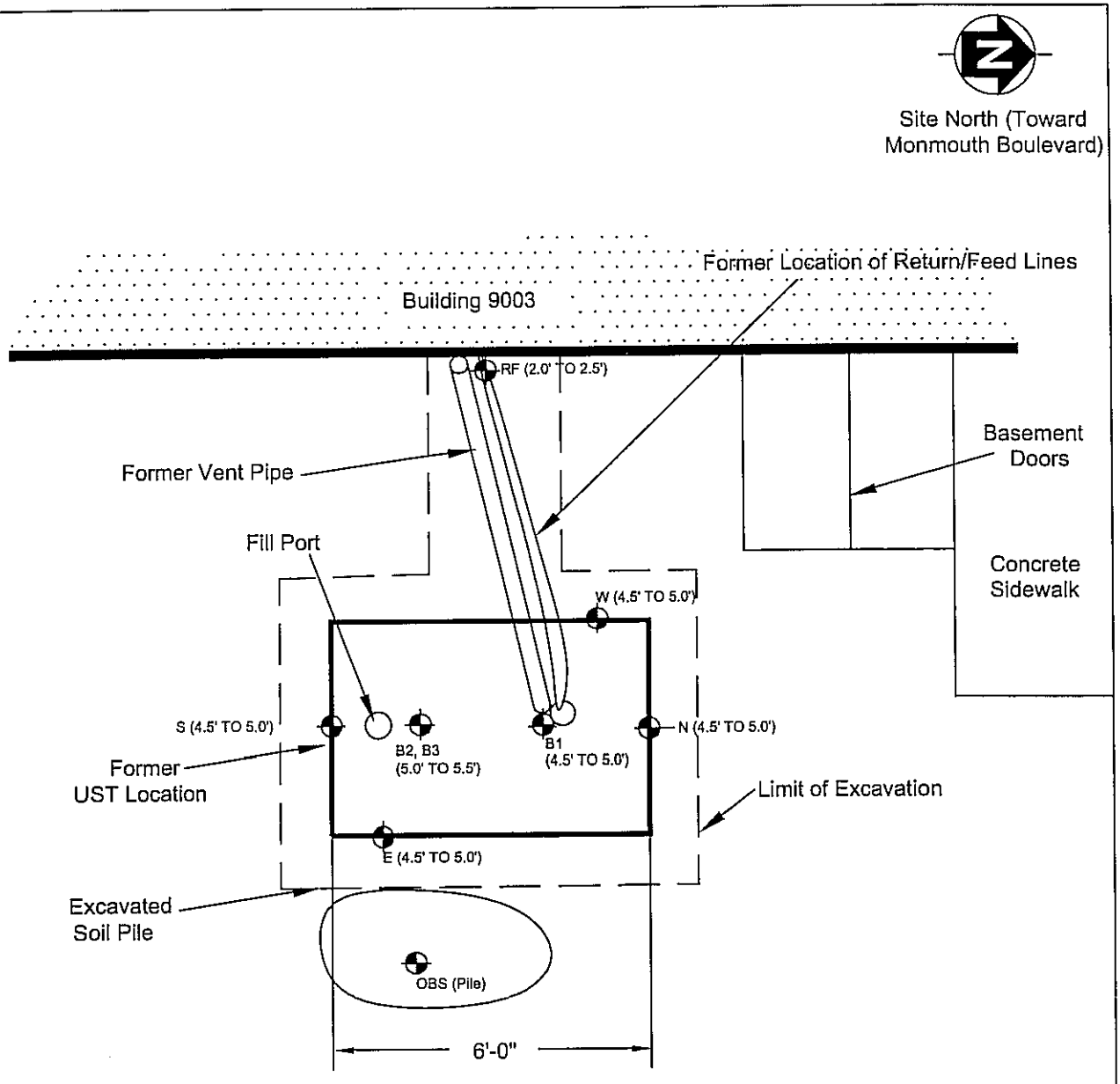
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9003 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9047.DWG ASC 01/19/99



NOTE: 1) UST was 6' long and 4' wide
All soil sample designations are preceded by "9003-"
2) Sample IDs were assigned base on site north towards Monmouth Boulevard

1.5 0 1.5 3
SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9003 - UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 192468-2

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): ~~90029-~~ 192468-2
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 192468-2

PHOTO 1: View of SMC personnel hand excavating to uncover product lines of UST-9003 (looking west/southwest).

PHOTO 2: View of cleaned interior of UST-9003 (looking northwest).

PHOTO 3: View of sampling locations in the UST-9003 excavation (looking southwest).

PHOTO 4: View of UST-9003 staged on the west side of Building 9061 and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 192468-2

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3007
	DPW. SELFM-PW-EV	**Date Rec'd:**	23-Sep-97
	Bldg. 173	**Analysis Start:**	24-Sep-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	24-Sep-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	9003

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3007.01	9003-OBS	1.00	15.35	92.39	166	ND
METHOD BLANK	24-Sep-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3010
	DPW. SELFM-PW-EV	**Date Rec'd:**	23-Sep-97
	Bldg. 173	**Analysis Start:**	24-Sep-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	25-Sep-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDGS. 9003, 9043 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3010.01	9003-RF	1.00	15.79	97.23	153	416.32
3010.02	9003-B1	1.00	15.63	90.68	166	ND
3010.03	9003-B2	1.00	16.14	92.56	157	ND
3010.04	9003-B3	1.00	15.36	93.34	164	ND
3010.05	9003-S	1.00	15.05	95.58	163	ND
3010.06	9003-E	1.00	15.57	90.16	167	ND
3010.07	9003-W	1.00	15.13	92.58	168	ND
3010.08	9003-N	1.00	15.35	93.15	164	ND
3010.09	TP-9043D	1.00	15.29	97.67	157	174.87
METHOD BLANK	24-Sep-97	1.00	15.00	100.00	157	ND

ND = Not Detected
MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE
UST NO. 192468-2

Reorder From:
The Drawing Board
P.O. Box 2644 • Hartford, CT 06104-2644
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. 009

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building 9003
Destination: Tinton Falls, NJ State 07753	Origin: Wall NJ 07719
Route:	Vehicle Number:

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		For scrap only 1- Gallon U.S.T Shell Clean TANK # 192468-2 Building # 9003			

REMIT
C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above - 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ Signature of Consignor

PREPAID CHARGES
Freight or Express Charges must be prepaid when shipment is delivered
☐ Check box if charges are to be collected

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans	CARRIER SMC ENVIRONMENTAL SERVICES GROUP
PER David H. Daniels (Agent)	PER Tim Koppenhaver
	DATE 10-14-97

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN74 The Drawing Board, P.O. Box 2644, Hartford, CT 06104-2644
©EGI, 1992, Printed in U.S.A.

OCT-14-1997 8:52AM FROM JMT ENVIRON. TECH. 610 789 6149 P.03

(2)

(9)

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: Camp Evans (U.S. Army)
Wall, NJ
Building 9003

VESSEL: 550-gallon steel tank
(Formally #2 Fuel Oil)

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 9.22.97, 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/Site manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 192468-2

LORCO PETROLEUM SERVICES
RD1 Box 5A
Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

176848

SALES ORDER #

GENERATOR/LOCATION

NAME

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY STATE ZIP

PHONE NUMBER PURCHASE ORDER NUMBER

USA EPA ID NO. (IF APPLICABLE) STATE ID NO.

BILL TO (IF DIFFERENT FROM LOCATION)

NAME

INFORMATION/ATTENTION LINE ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY STATE ZIP

PHONE NUMBER PURCHASE ORDER NUMBER

MANIFEST NUMBER NHR 57912

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
				Combustible Li. 1 UN 1270 PG III	

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TANK	Volume
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL					9307	55
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL		344	Gal		9162	55
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER					9196	55
41501	DRUM DISPOSAL		3				
41504	TANK ENTRY		1			9116	55
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		8:00 to 1:00 = 5 hours			9003	30
41511	NEW 55 GAL DRUM WITH LID						
41503	QA/QC ANALYTICAL TESTING					9006	200
42001	DEXSIL TEST KIT				TAX		
41509	TRANSPORTATION					9059	30
						9031	30

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 Non Haz

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 Title

Signature Date

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

Tank to the North of 9028 had 344 gallons of water

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

LORCO REPRESENTATIVE

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9006
Camp Evans Area

NJDEP UST Registration No. 90029-2

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Figure 2 Building 9006 - UST Removal and Soil Sample Locations
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APPENDICES

Appendix A Signed Site Assessment Summary
Appendix B Photographs of UST Closure
Appendix C Soil Sample Analytical Data Package
Appendix D UST Disposal Certificate
Appendix E Waste Manifest for Off-site Transport of UST Contents

EXECUTIVE SUMMARY

UST Closure

On September 25, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-2 (Fort Monmouth Identification No. 9006), was located adjacent to the northeast corner of Building 9006 in the Camp Evans area of Fort Monmouth. The UST was a 4,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the eastern end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the side of the UST and the only evidence of potentially contaminated soil was observed surrounding the two remote fill lines of the tank. Samples collected at the time the UST was removed contained total petroleum hydrocarbons (TPHC) concentrations ranging from non-detect to 2,572.62 milligrams per kilogram (mg/kg). After additional soil was excavated and removed, TPHC concentrations in the remaining soil range from non-detect to 802.94 mg/kg. The total amount of soil removed from the excavation was 80 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9006 area, as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in remaining soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-2 at Building 9006.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-2, was closed at Building 9006 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on September 25, 1997. The UST was a steel 4,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-2 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that at least one significant historical discharge was associated with the two remote fill lines of UST No. 90029-2.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9006 is located in the northeastern corner of the main section of the Camp Evans area of the Fort Monmouth Army Base as shown in Figure 1. UST No. 90029-2 was located adjacent to the northeast corner of Building 9006 and associated piping ran approximately 75 feet west from the UST to Building 9006. The UST fill port area was located directly above the eastern end of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9006.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank at the eastern and western ends with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged on polyethylene sheeting, and examined for holes. One pinhole was observed on the side of the UST by the Tetra Tech site manager and the SMC subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed or detected by the PID/FID except for soil located adjacent to the UST remote fill lines. Visual and PID/FID soil screening was also performed along piping associated with the UST. No contamination was noted anywhere along the piping length.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figures 2 and 3 and discussed in Section 2.2. Based on PID/FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil adjacent to the two remote fill lines and the eastern end of the UST was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc.(TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: David H. Daniels
  Employer: SMC Environmental Services Group
  Telephone No.: (215) 788-7844
  NJDEP Certification No.: 0010279

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID/FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST and associated piping, as well as the UST excavation sidewalls and bottom, did not exhibit evidence of contamination at the time of the UST removal.

2.2 SOIL SAMPLING

On September 25, 1997, after UST removal, post-excavation soil samples 9006B1, 9006B2, 9006B3, 9006B4, 9006B5 (Duplicate of 9006B4), 9006W, 9006E, 9006S1, 9006S2, 9006S3, 9006S4, 9006N1, 9006N2, 9006N3, and 9006N4 were collected from fourteen locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from 0 to 6-inches beneath the former UST location, or 8.5 to 9-feet below ground surface (bgs). The sidewall samples were collected from 8 to 8.5-feet bgs. Samples 9006OBS(A), 9006OBS(B), 9006OBS(C), 9006OBS(D), 9006OBS(E), and 906OBS(F) were collected from the overburden soil piles to verify that the piles were not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

Analytical results of the original post-excavation samples revealed 2,481.14 milligrams per kilograms (mg/kg) TPHC at the 9006S3 sample location and 2,575.62 mg/kg TPHC at the 9006S4 sample location. Both concentrations exceed 1,000 mg/kg TPHC, which is NJDEP's criterion for additional soil removal/remediation or for required VOC sampling. As a result, on November 7, 1997, Tetra Tech and SMC excavated additional soil from the northeastern and southeastern corners as well as the southern remote fill line and collected post-excavation soil samples 9006N5, 9006N6 (Duplicate of 9006N5), 9006S5, 9006S6 (Duplicate of 9006S5), 9006RFL1, 9006RFL2, 9006RFL3, 9006RFL4, 9006RFL5, 9006RFL6, and 9006RFL7 from a total of nine sampling locations. Bottom samples in the northeast corner were collected from a depth of 8 to 8.5-feet bgs. Bottom samples in the southeast corner were collected from a depth of 11.5 to 12-feet bgs (The sample depths between the two corners differed based on PID readings of the soils). Samples collected from beneath the southern remote fill line varied in

depth between 1 to 1.5-feet and 11.5 to 12-feet bgs. All samples were analyzed for TPHC. Figure 3 presents both the additional soil sampling locations for the return/feed lines and the remote fill lines and the remedial soil sampling locations.

Analytical results of the second round of post-excavation sampling revealed 8,988.58 mg/kg TPHC at the 9006RFL1 sample location. This concentration is significantly above the NJDEP criterion for additional soil removal/remediation or for required VOC sampling. As a result, Tetra Tech and SMC continued soil excavation from the 9006RFL1 sample location and collected post-excavation soil samples9006RFL/B6, 9006RFL/W1, 9006RFL/W2 (Duplicate of 9006RFL/W1), 9006RFL/E, 9006RFL/S, and 9006RFL/N from a total of five sampling locations. The bottom sample was collected from a depth of 19 to 19.5-feet bgs and the sidewall samples were collected from a depth 18.5 to 19-feet bgs. All samples were analyzed for TPHC. Figure 3 presents the additional soil sampling locations for the return/feed lines, the remote fill lines, and the remedial soil sampling locations.

Analytical results of the third round of post-excavation sampling revealed TPHC concentrations ranging from non-detect to 233.82 mg/kg. Tetra Tech and SMC then proceeded to excavate the return/feed lines to Building 9006 and the northern remote fill line into the UST and collect post-excavation samples 9006RF(CT)1 through 9006RF(CT)6 and 9006RFL(2)1 through 9006RFL(2)8 from a total of twelve sampling locations (Sample 9006RF(CT)5 was a duplicate of sample 9006RF(CT)4, sample 9006RFL(2)3 was a duplicate of sample 9006RFL(2)2, and sample9006RFL(2)5 was a duplicate of sample 9006RFL(2)4). The return/feed line samples were collected between 1.5 to 2-feet bgs and 4 to 4.5-feet bgs and the northern remote fill line samples were collected between 1.5 to 2-feet bgs and 8 to 8.5-feet bgs. All of the samples were analyzed for TPHC and contained TPHC concentrations ranging from non-detect to 802.94 mg/kg. Figure 3 presents the additional soil sampling locations for the return/feed lines, the remote fill lines, and the remedial soil sampling locations.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST, remote fill lines, and associated piping, post-excavation soil samples were collected from fourteen locations on September 25, 1997, nine locations on November 7, 1997, five locations on December 4, 1997, two locations on December 16, 1997, six locations on December 17, 1997, and four locations on February 6, 1998. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact for soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figures 2 and 3. The analytical data package is provided in Appendix C.

Several of the post-excavation soil samples collected from the UST excavation and from below piping associated with the UST contained concentrations of TPHC above the NJDEP soil cleanup criterion of 1,000 mg/kg TPHC and required additional soil removal/remediation. The remainder of the samples (collected after the additional excavation activities) contained TPHC concentrations from non-detect to 802.94 mg/kg.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9006 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, no longer exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-2 at Building 9006.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9006, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9006OBS(A)	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006OBS(B)	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006OBS(C)	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006OBS(D)	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006OBS(E)	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006OBS(F)	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006B1	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006B2	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006B3	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006B4	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006B5	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006E	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006W	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006S1	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006S2	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006S3	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006S4	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006S5**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006S6**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL1**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL/B6**	12/4/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL/W1**	12/4/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL/W2**	12/4/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL/E**	12/4/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL/S**	12/4/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFLN**	12/4/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006N1	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006N2	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006N3	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006N5**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006N6**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 1
Summary of Post-Excavation Sampling Activities
Building 9006, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9006N4	9/25/97	9/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL2	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL3	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL4	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL5	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL6	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL7	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RF(CT)1	12/16/96	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RF(CT)2	12/16/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RF(CT)3	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RF(CT)4	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RF(CT)5	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RF(CT)6	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-1	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-2	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-3	12/17/97	12/18/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-4	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-5	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-6	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-7	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9006RFL(2)-8	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results
Building 9006, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9006OBS(A)	3012.01	9/25/97	9/26 - 30/97	TPHC	172	265.13	10,000	No
9006OBS(B)	3012.02	9/25/97	9/26 - 30/97	TPHC	175	ND	10,000	No
9006OBS(C)	3012.03	9/25/97	9/26 - 30/97	TPHC	172	ND	10,000	No
9006OBS(D)	3012.04	9/25/97	9/26 - 30/97	TPHC	175	495.88	10,000	No
9006OBS(E)	3012.05	9/25/97	9/26 - 30/97	TPHC	172	297.68	10,000	No
9006OBS(F)	3012.06	9/25/97	9/26 - 30/97	TPHC	171	ND	10,000	No
9006B1	3012.07	9/25/97	9/26 - 30/97	TPHC	173	234.95	10,000	No
9006B2	3012.08	9/25/97	9/26 - 30/97	TPHC	171	ND	10,000	No
9006B3	3012.09	9/25/97	9/26 - 30/97	TPHC	174	346.86	10,000	No
9006B4	3012.10	9/25/97	9/26 - 30/97	TPHC	175	284.81	10,000	No
9006B5	3012.11	9/25/97	9/26 - 30/97	TPHC	172	278.12	10,000	No
9006E	3012.12	9/25/97	9/26 - 30/97	TPHC	175	374.71	10,000	No
9006W	3012.13	9/25/97	9/26 - 30/97	TPHC	176	249.51	10,000	No
9006S1	3012.14	9/25/97	9/26 - 30/97	TPHC	175	191.89	10,000	No
9006S2	3012.15	9/25/97	9/26 - 30/97	TPHC	171	ND	10,000	No
9006S3	3012.16	9/25/97	9/26 - 30/97	TPHC	172	251.16	10,000	No
9006S4	3012.17	9/25/97	9/26 - 30/97	TPHC	177	2,575.62	10,000	No
9006S5**	3154.03	11/7/97	11/10 - 11/97	TPHC	160	ND	10,000	No
9006S6**	3154.04	11/7/97	11/10 - 11/97	TPHC	164	ND	10,000	No
9006RFL1**	3154.05	11/7/97	11/10 - 11/97	TPHC	161	8,988.58	10,000	No
9006RFL/B6**	3199.01	12/4/97	12/8/97	TPHC	176	ND	10,000	No
9006RFL/W1**	3199.02	12/4/97	12/8/97	TPHC	162	ND	10,000	No
9006RFL/W2**	3199.03	12/4/97	12/8/97	TPHC	156	ND	10,000	No
9006RFL/E**	3199.04	12/4/97	12/8/97	TPHC	155	ND	10,000	No
9006RFL/S**	3199.05	12/4/97	12/8/97	TPHC	163	ND	10,000	No
9006RFLN**	3199.06	12/4/97	12/8/97	TPHC	163	233.82	10,000	No
9006N1	3012.18	9/25/97	9/26 - 30/97	TPHC	160	ND	10,000	No

Note:

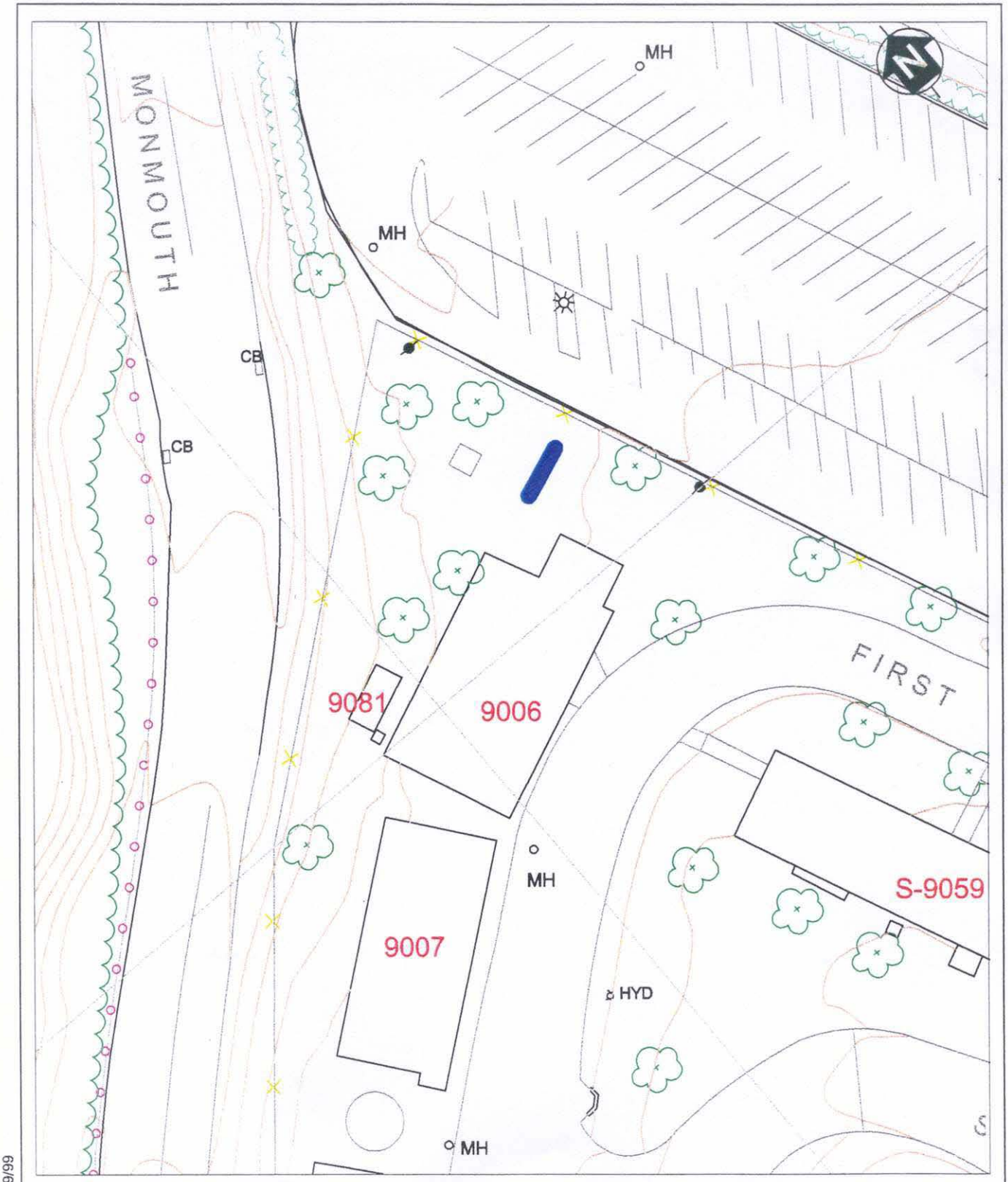
* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results
Building 9006, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9006N2	3012.19	9/25/97	9/26 - 30/97	TPHC	170	ND	10,000	No
9006N3	3012.20	9/25/97	9/26 - 30/97	TPHC	174	2,481.14	10,000	No
9006N5**	3154.01	11/7/97	11/10 - 11/97	TPHC	166	ND	10,000	No
9006N6**	3154.02	11/7/97	11/10 - 11/97	TPHC	165	ND	10,000	No
9006N4	3012.21	9/25/97	9/26 - 30/97	TPHC	173	580.60	10,000	No
9006RFL2	3154.06	11/7/97	11/10 - 11/97	TPHC	167	ND	10,000	No
9006RFL3	3154.07	11/7/97	11/10 - 11/97	TPHC	174	ND	10,000	No
9006RFL4	3154.08	11/7/97	11/10 - 11/97	TPHC	164	225.50	10,000	No
9006RFL5	3154.09	11/7/97	11/10 - 11/97	TPHC	165	ND	10,000	No
9006RFL6	3154.10	11/7/97	11/10 - 11/97	TPHC	164	ND	10,000	No
9006RFL7	3154.11	11/7/97	11/10 - 11/97	TPHC	169	427.32	10,000	No
9006RF(CT)1	3225.13	12/16/97	12/17 - 18/97	TPHC	173	ND	10,000	No
9006RF(CT)2	3225.14	12/16/97	12/17 - 18/97	TPHC	173	ND	10,000	No
9006RF(CT)3	3233.01	12/17/97	12/18 - 19/97	TPHC	174	ND	10,000	No
9006RF(CT)4	3233.02	12/17/97	12/18 - 19/97	TPHC	173	ND	10,000	No
9006RF(CT)5	3233.03	12/17/97	12/18 - 19/97	TPHC	176	ND	10,000	No
9006RF(CT)6	3233.04	12/17/97	12/18 - 19/97	TPHC	174	ND	10,000	No
9006RFL(2)1	3233.05	12/17/97	12/18 - 19/97	TPHC	165	802.94	10,000	No
9006RFL(2)2	3233.06	12/17/97	12/18 - 19/97	TPHC	172	ND	10,000	No
9006RFL(2)3	3233.07	12/17/97	12/18 - 19/97	TPHC	173	ND	10,000	No
9006RFL(2)4	3325.08	2/6/98	2/9 - 11/97	TPHC	164	ND	10,000	No
9006RFL(2)5	3325.09	2/6/98	2/9 - 11/97	TPHC	168	ND	10,000	No
9006RFL(2)6	3325.10	2/6/98	2/9 - 11/97	TPHC	176	ND	10,000	No
9006RFL(2)7	3325.11	2/6/98	2/9 - 11/97	TPHC	173	ND	10,000	No
9006RFL(2)8	3325.12	2/6/98	2/9 - 11/97	TPHC	167	ND	10,000	No

Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.



UNDERGROUND STORAGE TANK

20 0 20 40
SCALE

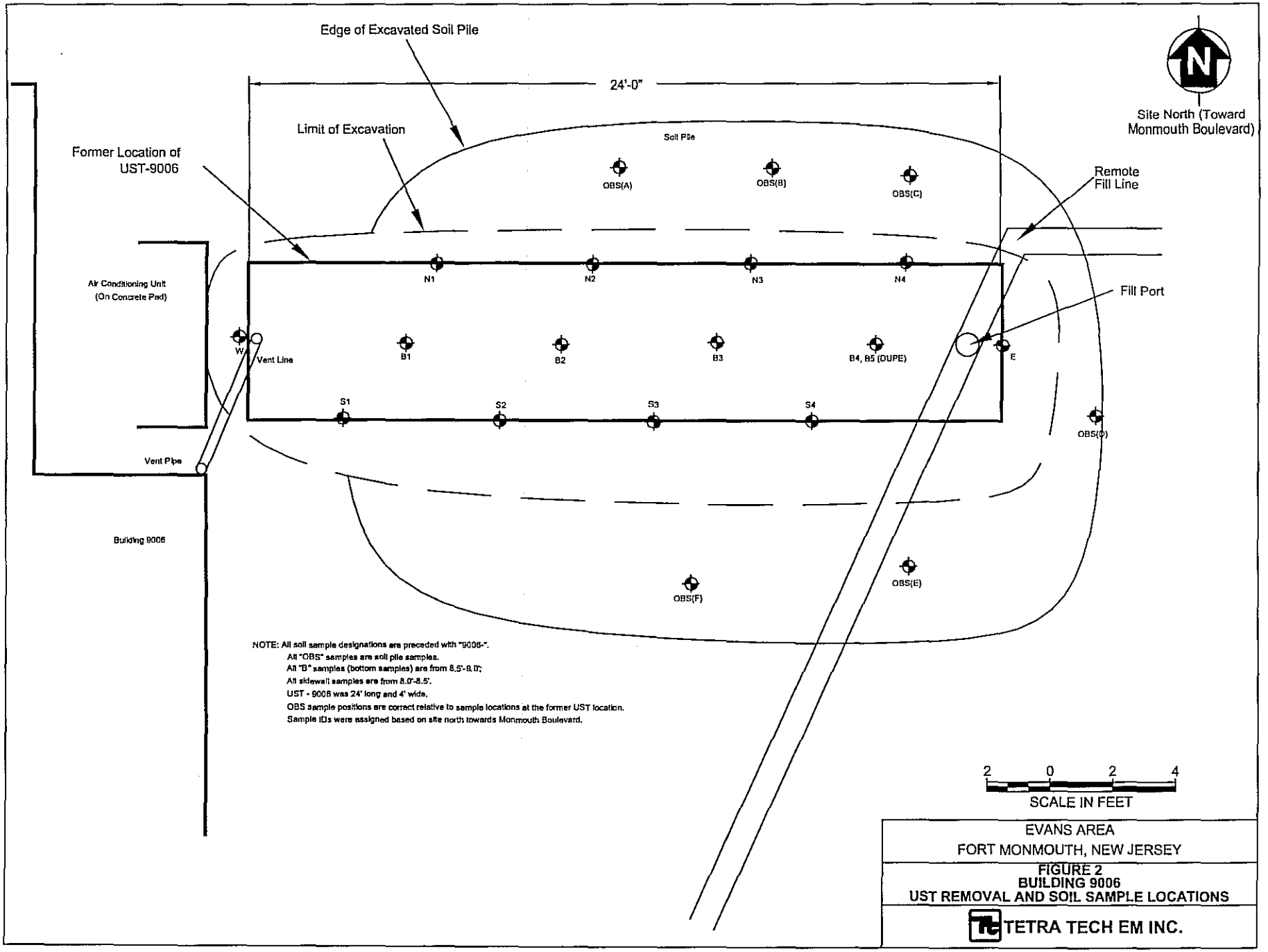
EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9006 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9006.DWG ASC 01/19/99

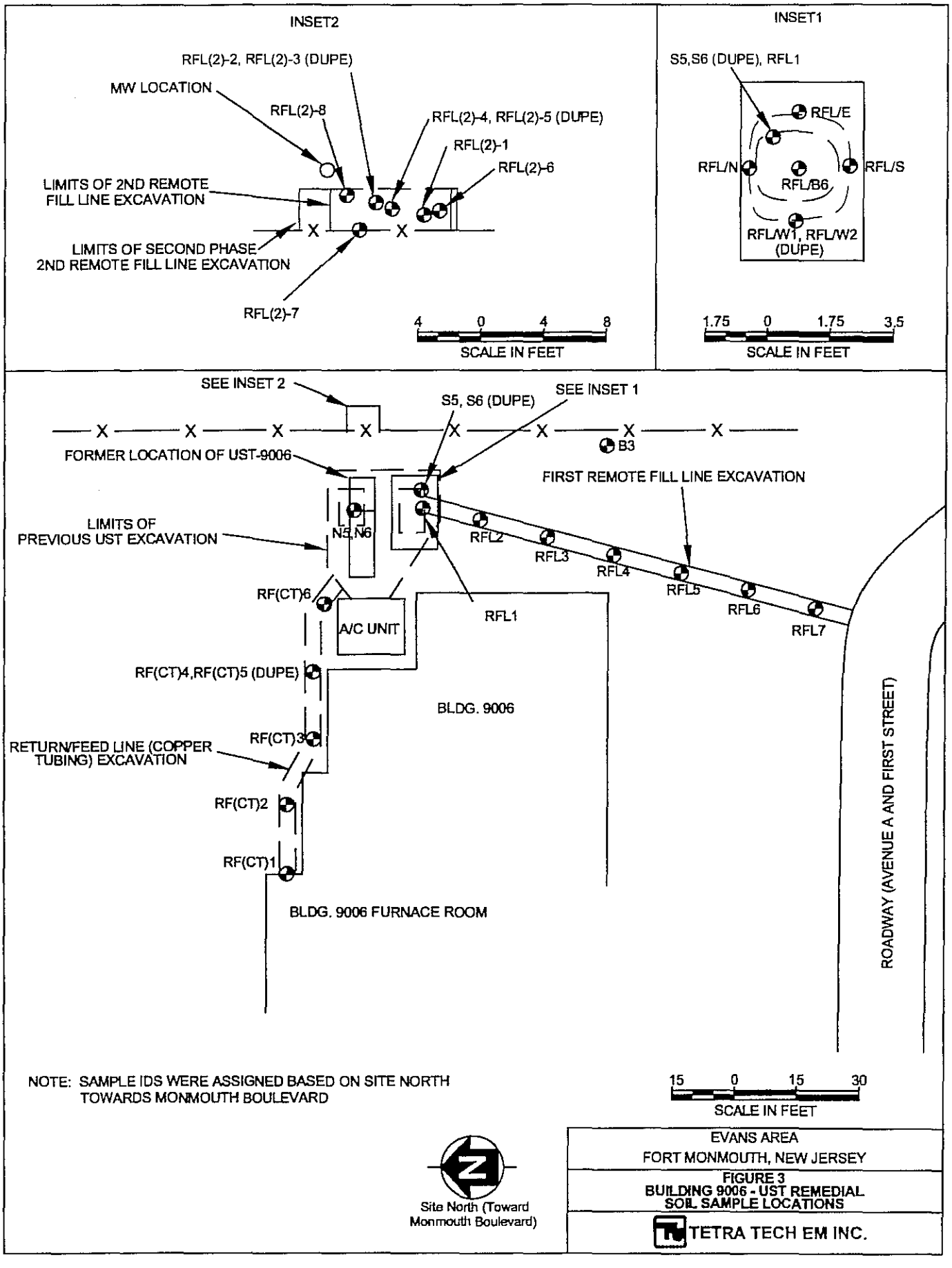
9006.DWG ASC 01/19/99



EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9006
UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.



9006.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-2

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 02
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-2

PHOTO 1: View of UST-9006 after cleaning the interior (looking west/northwest). Note the remote fill fine visible at the left side of the photograph.

PHOTO 2: View of UST-9006 after being removed from the ground.

PHOTO 3: View of the sampling locations in the UST-9006 excavation (looking west/northwest).

PHOTO 4: Partial view of the remedial excavation at the southeast corner of the main UST-9006 excavation (looking north/northeast).

PHOTO 5: View of the sampling locations in the southern remote fill line excavation (looking south/southwest).

PHOTO 6: View of the sampling locations in the UST-9006 return/feed line excavation (looking east/southeast).

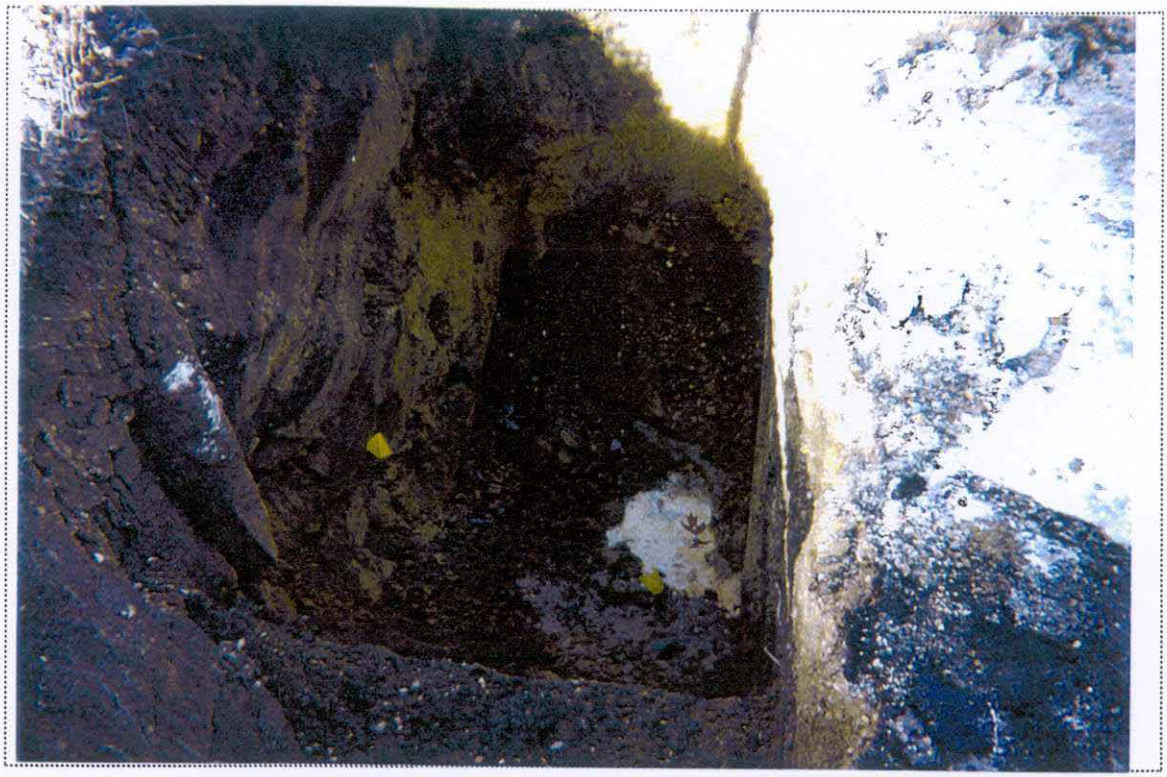


PHOTO 7: View of the sampling locations in the northern remote fill line excavation (looking north).

PHOTO 8: View of the two halves of UST-9006 staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE

UST NO. 90029-2

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

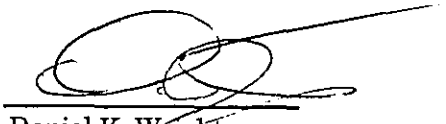
Client :	U.S. Army	**Lab. ID # :**	3012
	DPW. SELFM-PW-EV	**Date Rec'd:**	26-Sep-97
	Bldg. 173	**Analysis Start:**	26-Sep-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	30-Sep-97

Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3012.01	9006- OBS(A)	1.00	15.05	90.63	172	265.13
3012.02	9006- OBS(B)	1.00	15.02	89.30	175	ND
3012.03	9006- OBS(C)	1.00	15.05	90.93	172	ND
3012.04	9006- OBS(D)	1.00	15.12	88.95	175	495.88
3012.05	9006- OBS(E)	1.00	15.10	90.25	172	297.68
3012.06	9006- OBS(F)	1.00	15.14	90.72	171	ND
3012.07	9006- B1	1.00	15.08	90.29	173	234.95
3012.08	9006- B2	1.00	15.09	90.82	171	ND
3012.09	9006- B3	1.00	14.99	90.35	174	346.86
3012.10	9006- B4	1.00	15.06	88.94	175	284.81
3012.11	9006- B5	1.00	15.42	88.44	172	278.12
3012.12	9006- E	1.00	15.23	88.10	175	374.71
3012.13	9006- W	1.00	15.09	88.27	176	249.51
3012.14	9006- S1	1.00	15.18	88.66	175	191.89
3012.15	9006- S2	1.00	15.20	90.56	171	ND
3012.16	9006- S3	1.00	15.05	90.83	172	251.16
3012.17	9006- S4	1.00	14.98	88.41	177	2575.62
3012.18	9006- N1	1.00	15.90	92.42	160	ND
3012.19	9006- N2	1.00	15.11	91.24	170	ND
3012.20	9006- N3	1.00	14.98	90.39	174	2481.14
3012.21	9006- N4	1.00	15.19	89.25	173	580.60
METHOD BLANK	26-Sep-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit



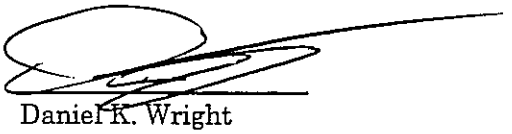
Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3154
	DPW. SELFM-PW-EV	**Date Rec'd:**	07-Nov-97
	Bldg. 173	**Analysis Start:**	10-Nov-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	11-Nov-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3154.01	9006-N5	1.00	15.66	90.20	166	ND
3154.02	9006-N6	1.00	15.70	90.62	165	ND
3154.03	9006-S5	1.00	15.65	94.06	160	ND
3154.04	9006-S6	1.00	15.14	94.76	164	ND
3154.05	9006-RFL1	1.00	15.41	94.62	161	8988.58
3154.06	9006-RFL2	1.00	15.47	91.16	167	ND
3154.07	9006-RFL3	1.00	15.00	90.08	174	ND
3154.08	9006-RFL4	1.00	15.62	91.46	164	225.50
3154.09	9006-RFL5	1.00	15.34	92.80	165	ND
3154.10	9006-RFL6	1.00	15.98	95.74	154	ND
3154.11	9006-RFL7	1.00	15.25	90.97	169	427.32
METHOD BLANK	10-Nov-97	1.00	15.00	100.00	157	ND

ND = Not Detected
MDL = Method Detection Limit



Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3199
	DPW. SELFM-PW-EV	**Date Rec'd:**	05-Dec-97
	Bldg. 173	**Analysis Start:**	08-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	08-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3199.01	9006-RFL/B6	1.00	15.87	84.35	176	ND
3199.02	9006-RFL/W1	1.00	15.67	92.48	162	ND
3199.03	9006-RFL/W2	1.00	15.61	96.28	156	ND
3199.04	9006-RFL/E	1.00	15.67	96.56	155	ND
3199.05	9006-RFL/S	1.00	15.68	92.09	163	ND
3199.06	9006-RFL/N	1.00	15.70	91.65	163	233.82
METHOD BLANK	8-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3225
	DPW. SELFM-PW-EV	**Date Rec'd:**	17-Dec-97
	Bldg. 173	**Analysis Start:**	17-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	18-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldgs. 9009, 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3225.01	9009-B1	1.00	15.23	86.21	179	ND
3225.02	9009-B2	1.00	15.42	90.56	168	ND
3225.03	9009-B3	1.00	15.32	91.93	167	229.99
3225.04	9009-N	1.00	15.50	86.57	175	ND
3225.05	9009-S	1.00	15.26	81.72	188	207.95
3225.06	9009-E	1.00	15.31	84.58	181	1358.64
3225.07	9009-W	1.00	15.40	80.06	191	ND
3225.08	9009-R/F/VL1	1.00	15.64	86.99	173	252.87
3225.09	9009-R/F/VL2	1.00	15.53	88.48	171	254.12
3225.10	9009-R/F/VL3	1.00	15.92	81.41	181	690.47
3225.11	9009-R/F/VL4	1.00	15.31	88.49	173	3214.67
3225.12	9009-R/F/VL5	1.00	15.86	85.10	174	847.07
3225.13	9006 ~~9009~~-RF(CT)1	1.00	14.99	90.64	173	ND
3225.14	9006 ~~9009~~-RF(CT)2	1.00	15.06	90.13	173	222.57
METHOD BLANK	17-Dec-97	1.00	15.00	100.00	157	ND
METHOD BLANK	22-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3233
	DPW. SELFM-PW-EV	**Date Rec'd:**	18-Dec-97
	Bldg. 173	**Analysis Start:**	18-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	19-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldg. 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3233.01	9006-RF(CT)3	1.00	15.36	88.03	174	ND
3233.02	9006-RF(CT)4	1.00	15.44	87.78	173	ND
3233.03	9006-RF(CT)5	1.00	15.53	86.08	176	ND
3233.04	9006-RF(CT)6	1.00	15.55	87.10	174	ND
3233.05	9006-RFL(2)-1	1.00	15.35	92.81	165	802.94
3233.06	9006-RFL(2)-2	1.00	15.55	87.84	172	ND
3233.07	9006-RFL(2)-3	1.00	15.63	87.11	173	ND
METHOD BLANK	18-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3325
	DPW, SELFM-PW-EV	**Date Rec'd:**	06-Feb-98
	Bldg. 173	**Analysis Start:**	18-Feb-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	19-Feb-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldgs 9009/9001/9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3325.01	9009-CNFRM2	1.00	15.15	86.64	179	ND
3325.02	9009-CNFRM3	1.00	15.27	87.44	176	ND
3325.03	9009-CNFRM4	1.00	15.62	87.27	172	ND
3325.04	9001-RFL3	1.00	15.70	89.42	167	ND
3325.05	9001-RFL4	1.00	15.44	90.58	168	ND
3325.06	9001-RFL5	1.00	15.90	89.64	165	ND
3325.07	9001-RFL6	1.00	15.36	96.93	158	ND
3325.08	9006-RFL(2)-4	1.00	15.43	92.80	164	ND
3325.09	9006-RFL(2)-5	1.00	15.10	92.41	168	ND
3325.10	9006-RFL(2)-6	1.00	15.23	87.74	176	ND
3325.11	9006-RFL(2)-7	1.00	15.35	88.54	173	ND
3325.12	9006-RFL(2)-8	1.00	15.19	92.87	167	ND
METHOD BLANK	9-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE

UST NO. 90029-2

Reorder From:
The Drawing Board®
P.O. Box 2644 • Hartford, CT 06104-2944
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. 005

Carrier No. _____

Date _____

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To (Consignee) Mazza & Sons, INC.	From (Shipper) U.S. Army Camp Evans
Street 3230 Shafto Road	Street Building 9006
Destination Tuxton Falls, NJ Zip Code 07753	Origin Wall, NJ 07719
Route	Vehicle Number

No. Shipping Units	* HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		~~for scrap only~~			
		½ 4,000 Gallon U.S.T Shell			
		Clean			
		TANK # 90029-2			
		Building # 9006			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above-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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

PREPAID CHARGES
FREIGHT PREPAID — Check box opposite when box is checked ☐ Wire or letter

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S Army Camp Evans	CARRI SMC ENVIRONMENTAL SERVICES GROUP
PER Dinell Dimas (Agent)	PER Mark C. Spada
	DATE 10/13/97

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN74 The Drawing Board, P.O. Box 2644, Hartford, CT 06104-2944
©EGI, 1992, Printed in U.S.A.

10/13/97 8:52PM FROM JMT ENVIRON. TECH. 610 769 6149 P.03

(5)

(5)

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: Camp Evans (U.S. Army)
Wall, NJ
Building 9006

VESSEL: 1/2 of 4,000 gallon steel Tank
(Formally #2 Fuel oil)

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 9/24/97, 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 (Site Manager
Print or Type Name Here

Reorder From:
The Drawing Board
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. 006

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, inc	From Shipper: U.S. Army Camp Evans
Street: 13230 Shatto Road	Street: Building 9006
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall, NJ 07719
Route:	Vehicle Number:

No. Shipping Units	* HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		For scrap only			
		1/2 4,000 Gallon U.S.T Shell			
		Cut Claim #			
		TANK # 9002 9-2			
		Building # 9006			

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ per

This is to certify that the above-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.
Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

FREIGHT CHARGES
FREIGHT PREPAID (Check box when box at right is checked) ☐
Check box if charges are to be collected ☐ at the below

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Dannet (Agent)

CARRI SMC ENVIRONMENTAL SERVICES GROUP
PER Tim Koppelman
DATE 10/13/97

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN74 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
©EGI, 1992, Printed in U.S.A.

10-13-1997 8:52PM FROM JMT ENVIRON TECH 610 759 6149 P.03

(6)

(6)

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: Camp Evans (U.S. Army)
Wall NJ
Building 9006

VESSEL: 1/2 of 4,000 gallon steel Tank
(Formally #2 Fuel Oil)

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 9/24/97, 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 / site manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-2

LORCO PETROLEUM SERVICES
RD1 Box 5A
Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

176848

SALES ORDER #

GENERATOR/LOCATION

NAME

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS

CITY | STATE | ZIP

PHONE NUMBER | PURCHASE ORDER NUMBER

USA EPA ID NO. (IF APPLICABLE) | STATE ID NO.

BILL TO (IF DIFFERENT FROM LOCATION)

NAME

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS

CITY | STATE | ZIP

PHONE NUMBER | 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	Tank	Volume
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL					9307	55
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL		344	Gal		9162	55
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER					9196	55
41501	DRUM DISPOSAL						
41504	TANK ENTRY					9116	55
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		5 @ 1:00 = 5 hours			9003	30
41511	NEW 55 GAL DRUM 17H						
41503	QA/QC ANALYTICAL TESTING					9006	200
42001	DEXSIL TEST KIT				TAX		
41509	TRANSPORTATION					9059	30
						9031	30

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 Non Haz. 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 | Title

Signature | Date

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

TOTAL

Tank to the North of 9028 had 344 gallons of water

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

LORCO REPRESENTATIVE

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9009
Camp Evans Area

NJDEP UST Registration No. 90029-3

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Appendix C Soil Sample Analytical Data Package
Appendix D UST Disposal Certificate
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EXECUTIVE SUMMARY

UST Closure

On December 15, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-3 (Fort Monmouth Identification No. 9009), was located east of Building 9009 in the Camp Evans area of Fort Monmouth. The UST was a 1,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the northern end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). Nine holes approximately 0.125-inches in diameter were noted in the UST and visual evidence of potentially contaminated soil was observed surrounding the tank. Samples collected at the time the UST was removed contained concentrations of total petroleum hydrocarbons (TPHC) ranging from non-detect to 3,214.67 milligrams per kilogram (mg/kg). After additional soil was excavated and removed, the remaining soil contained TPHC concentrations ranging from non-detect to 847.07 mg/kg. The total amount of soil removed from the excavation was 35 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9009 area, as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-3 at Building 9009.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-3, was closed at Building 9009 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on December 15, 1997. The UST was a steel 1,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-3 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that at least one significant historical discharge was associated with UST No. 90029-3 or associated piping.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9009 is located in the main section of the Camp Evans area of the Fort Monmouth Army Base, as shown in Figure 1. UST No. 90029-3 was located east of Building 9009 and associated piping ran approximately 15 feet west from the UST to Building 9009. The UST fill port area was located directly above the northern end of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9009.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to removal because of the low volatility of No. 2 fuel oil. After the purging of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads. After the UST was cleaned and removed, SMC excavated and removed the associated piping.

After the UST was removed, it was staged temporarily on the asphalt driveway, and examined for holes. Nine holes approximately 0.125-inches in diameter were observed by the Tetra Tech subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. Visual evidence of contamination was observed and detected by the PID/FID in the soil surrounding the tank. Visual and PID/FID soil screening was also performed along piping associated with the UST. No evidence of contamination was noted anywhere along the piping length.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID and FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil adjacent to the UST and the return/feed lines was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID and FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST, as well as the UST excavation sidewalls and bottom, did exhibit evidence of potential contamination and was removed to the soil staging area; however, soil excavated from around the associated piping did not exhibit indications of contamination at the time of the UST removal.

2.2 SOIL SAMPLING

On December 15 and 16, 1997, after UST removal, post-excavation soil samples 9009B1, 9009B2 (Duplicate of 9009B1), 9009B3, 9009N, 9009S, 9009E, 9009W, 9009R/F/VL1, 9009R/F/VL2 (Duplicate of 9009R/F/VL1), 9009R/F/VL3, 9009R/F/VL4, and 9009R/F/VL5 were collected from ten locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from 0 to 6-inches beneath the former UST location, or 7.5 to 8-feet below ground surface (bgs). The sidewall samples were collected from 7 to 7.5-feet bgs. Samples 9009R/F/VL1 and 9009R/F/VL2 were collected from next to the main UST excavation along the former location of the southern return/feed line piping length of the excavation, which was approximately 15 feet long. Sample 9009R/F/VL1 and 9009R/F/VL2 were collected from 0.5 to 1-feet bgs. Sample 9009R/F/VL3 was collected from next to the main UST excavation along the former location of the northern return/feed line piping length from 0.5 to 1-feet bgs. Sample 9009R/F/VL4 was collected from next to the Building 9009 furnace room (also along the former location of the southern return/feed line) from 0 to 0.5-feet bgs. Sample 9009R/F/VL5 was collected from next to the Building 9009 furnace room (also along the former location of northern return/feed line piping length) from 0 to 0.5-feet bgs. In addition, on December 22, 1997, samples 9009OBS1 and 9009OBS2 were collected from the overburden soil piles to verify that the piles were not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

Analytical results of the original samples revealed 1,358.64 milligrams per kilogram (mg/kg) TPHC at the 9009E sample location (from the northeast corner of the UST excavation) and 3,214.67 mg/kg TPHC at the 9009R/F/VL4 sample location. These concentrations exceed 1,000 mg/kg TPHC, which is the NJDEP's criterion for additional soil sampling/remediation or for required VOC sampling. As a result, on December 19, 1997, Tetra Tech and SMC excavated additional soil from the northeastern corner of the main UST excavation and collected post-excavation soil samples 9009B4, 9009B5 (Duplicate of 9009B4), 9009NE/W, 9009NE/E, 9009NE/N, AND 9009NE/S from a total of five sampling locations. Bottom samples were collected from 9 to 9.5-feet bgs. Sidewall samples were collected from 8.5 to 9-feet bgs. In addition, on January 13, 1998, Tetra Tech and SMC excavated additional soil from the return/feed line excavation and collected post-excavation soil samples 9009R/F/VL6, 9009R/F/VL7 (Duplicate of 9009R/F/VL6), 9009R/F/VL8, 9009R/F/VL9, 9009R/F/VL10, and 9009CNFRM 1 from a total of five sampling locations (9009CNFRM1 was collected from a pocket of suspected contamination observed beneath the concrete sidewalk leading to the Building 9009 furnace room). Samples 9009R/F/VL6, 9009R/F/VL7, and 9009R/F/VL9 were collected from 3.5 to 4-feet bgs. Samples 9009R/F/VL8 and 9009R/F/VL10 were collected from 4 to 4.5-feet bgs. Sample 9009CNFRM1 was collected from 0.5 to 1-feet bgs. All samples were analyzed for TPHC and total solids.

Analytical results for the first two rounds of remedial post-excavation sampling revealed 944.88 mg/kg TPHC at the 9009CNFRM1 sample location. This concentration does not exceed 1,000 mg/kg TPHC, which is the NJDEP criterion for additional soil removal/remediation or for required VOC sampling; however, early in the project, Fort Monmouth requested Tetra Tech use 500 mg/kg TPHC as a soil cleanup criteria. As a result, on February 6, 1998, Tetra Tech and SMC removed a portion of the concrete sidewalk and excavated additional soil from the vicinity of the 9009CNFRM1 sample location and collected post-excavation samples 9009CNFRM2, 9009CNFRM3 (Duplicate of 9009CNFRM2), and 9009CNFRM4 from a total of two sample locations. All samples were collected from 1.5 to 2-feet bgs and were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from ten locations on December 15 and 16, 1997, five locations on December 19, 1997, five locations on January 13, 1998, and two locations on February 6, 1998. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact VOC soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

Three of the post-excavation soil samples collected from the UST excavation and from below piping associated with the UST contained concentrations of TPHC ranging from 944.88 milligrams per kilograms (mg/kg) to 3,214.67 mg/kg. The remainder of the post-excavation samples contained TPHC concentrations ranging from non-detect to 847.07 mg/kg.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9009 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, no longer exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-3 at Building 9009.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9009, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9009B1	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009B2	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009B3	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009N	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009S	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009E	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009B4**	12/19/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009B5**	12/19/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009NE/W**	12/19/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009NE/E**	12/19/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009NE/N**	12/19/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009NE/S**	12/19/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009W	12/15/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009RF/VL1	12/16/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009RF/VL2	12/16/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009RF/VL3	12/16/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009RF/VL4	12/16/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009RF/VL5	12/16/97	12/17/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009R/F/VL6**	1/13/98	1/14/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009R/F/VL7**	1/13/98	1/14/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009R/F/VL8**	1/13/98	1/14/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009R/F/VL9**	1/13/98	1/14/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009R/F/VL10**	1/13/98	1/14/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009OBS1	12/22/97	12/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009OBS2	12/22/97	12/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009CNFRM1	1/13/98	1/14/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009CNFRM2**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009CNFRM3**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9009CNFRM4**	2/6/98	2/9/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

*TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results
Building 9009, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9009B1	3225.01	12/15/97	12/17 - 18/97	TPHC	179	ND	10,000	No
9009B2	3225.02	12/15/97	12/17 - 18/97	TPHC	168	ND	10,000	No
9009B3	3225.03	12/15/97	12/17 - 18/97	TPHC	167	229.99	10,000	No
9009N	3225.04	12/15/97	12/17 - 18/97	TPHC	175	ND	10,000	No
9009S	3225.05	12/15/97	12/17 - 18/97	TPHC	188	207.95	10,000	No
9009E	3225.06	12/15/97	12/17 - 18/97	TPHC	181	1,358.64	10,000	No
9009B4**	3249.01	12/19/97	12/22 - 23/97	TPHC	162	ND	10,000	No
9009B5**	3249.02	12/19/97	12/22 - 23/97	TPHC	164	ND	10,000	No
9009NE/W**	3249.03	12/19/97	12/22 - 23/97	TPHC	164	ND	10,000	No
9009NE/E**	3249.04	12/19/97	12/22 - 23/97	TPHC	159	ND	10,000	No
9009NE/N**	3249.05	12/19/97	12/22 - 23/97	TPHC	163	ND	10,000	No
9009NE/S**	3249.06	12/19/97	12/22 - 23/97	TPHC	166	ND	10,000	No
9009W	3225.07	12/15/97	12/17 - 18/97	TPHC	191	ND	10,000	No
9009RF/VL1	3225.08	12/16/97	12/17 - 18/97	TPHC	173	252.87	10,000	No
9009RF/VL2	3225.09	12/16/97	12/17 - 18/97	TPHC	171	254.12	10,000	No
9009RF/VL3	3225.10	12/16/97	12/17 - 18/97	TPHC	181	690.47	10,000	No
9009RF/VL4	3225.11	12/16/97	12/17 - 18/97	TPHC	173	3,214.67	10,000	No
9009RF/VL5	3225.12	12/16/97	12/17 - 18/97	TPHC	174	847.07	10,000	No
9009R/F/VL6**	3282.01	1/13/98	1/14/98	TPHC	173	ND	10,000	No
9009R/F/VL7**	3282.02	1/13/98	1/14/98	TPHC	182	ND	10,000	No
9009R/F/VL8**	3282.03	1/13/98	1/14/98	TPHC	171	ND	10,000	No
9009R/F/VL9**	3282.04	1/13/98	1/14/98	TPHC	175	ND	10,000	No
9009R/F/VL10**	3282.05	1/13/98	1/14/98	TPHC	170	ND	10,000	No
9009OBS1	3254.12	12/22/97	12/29 - 30/97	TPHC	174	ND	10,000	No
9009OBS2	3254.13	12/22/97	12/29 - 30/97	TPHC	178	ND	10,000	No
9009CNFRM1**	3282.06	1/13/98	1/14/98	TPHC	205	944.88	10,000	No
9009CNFRM2**	3325.01	2/6/98	2/9 - 11/98	TPHC	179	ND	10,000	No
9009CNFRM3**	3325.02	2/6/98	2/9 - 11/98	TPHC	176	ND	10,000	No
9009CNFRM4**	3325.03	2/6/98	2/9 - 11/98	TPHC	172	ND	10,000	No

Note:

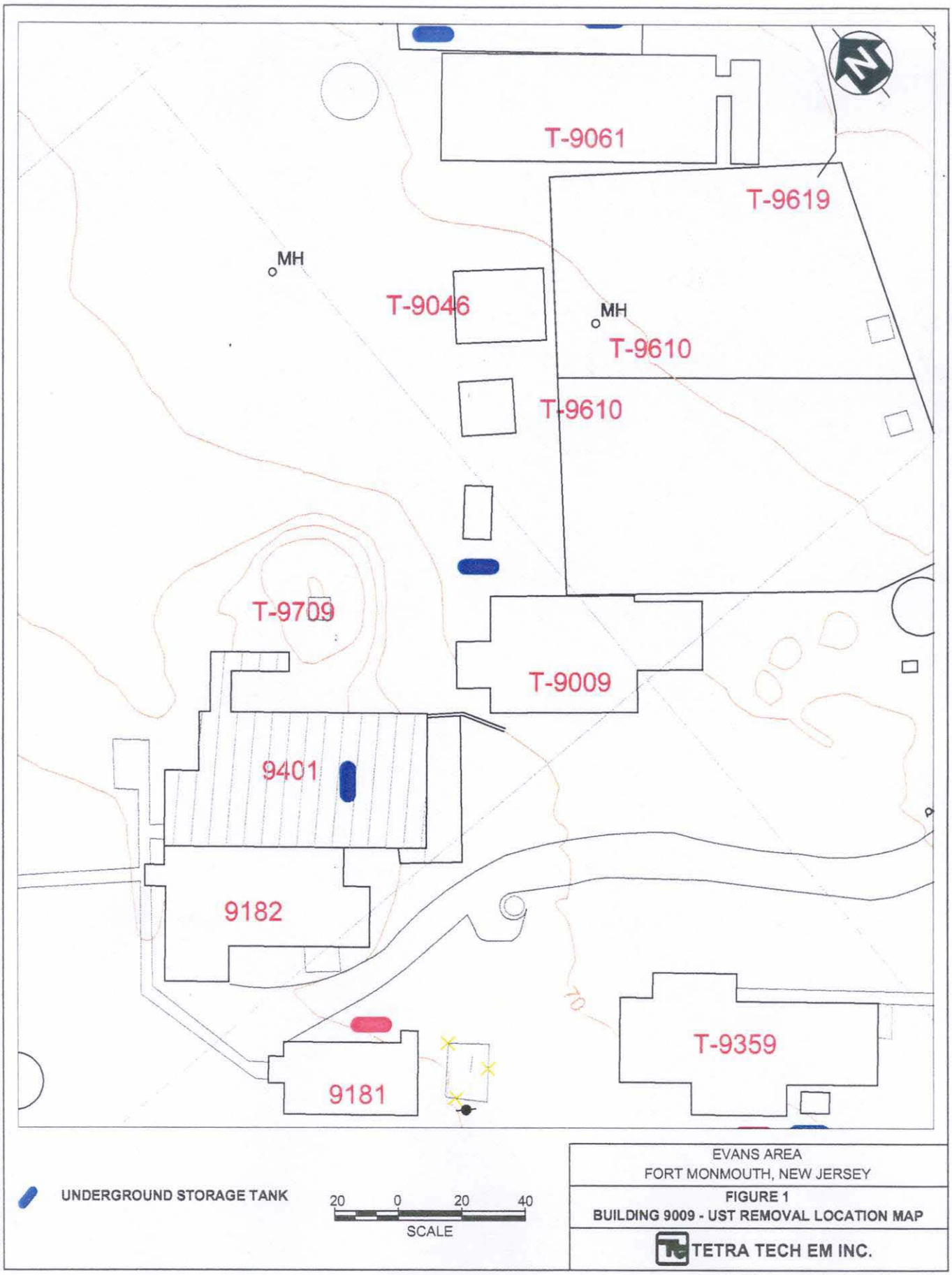
Samples collected on 2/6/98 were re-analyzed between 2/19/98 and 2/21/98 after a malfunction was discovered in the laboratory instrumentation. The sample results were unchanged after the re-analysis.

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.

ND Not Detected

TPHC Total petroleum hydrocarbons

** Samples collected to remediate contamination found in sample above.

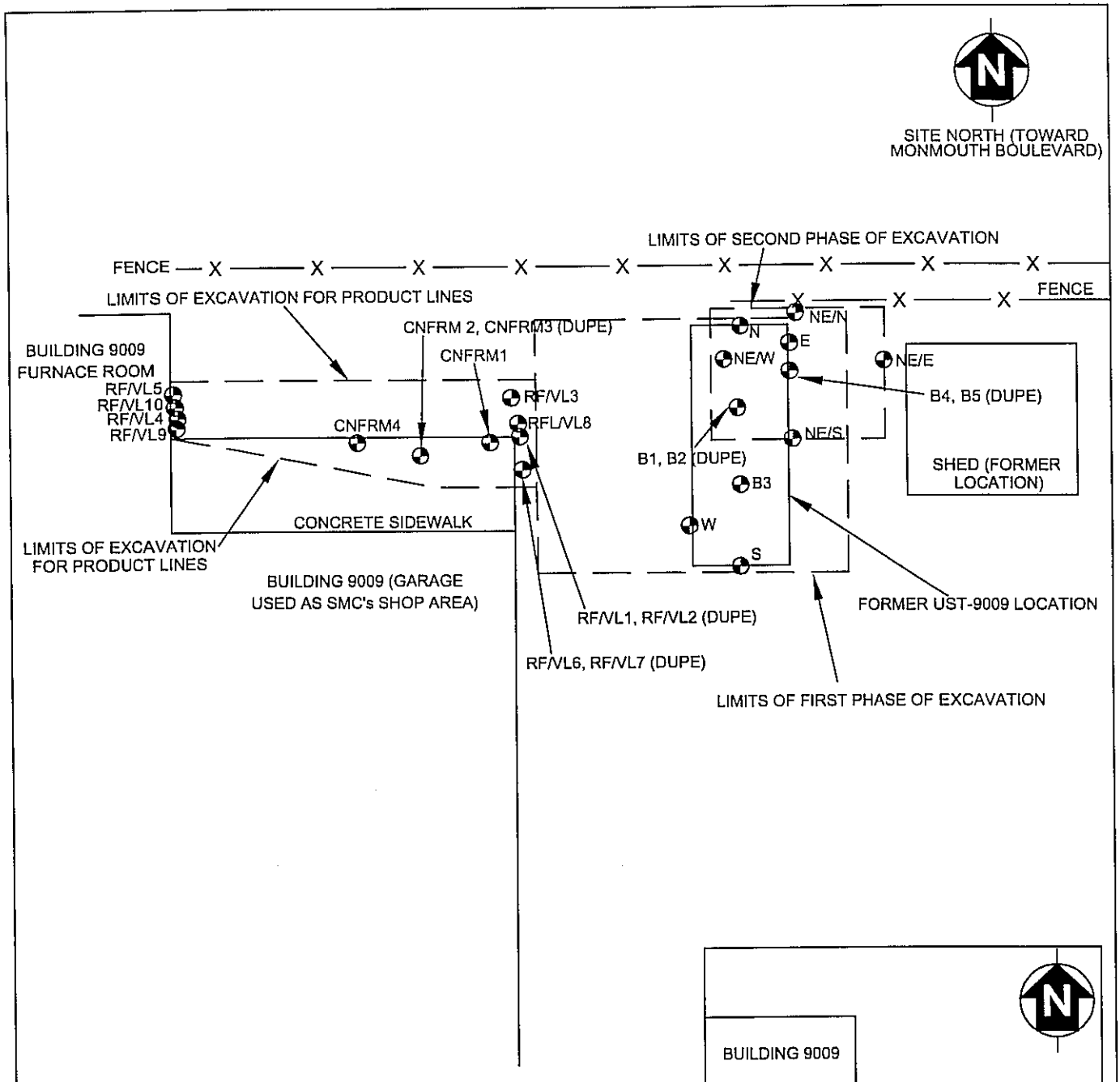


EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9009 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9009.DWG ASC 01/19/99



NOTES:

1) UST-9009 WAS 10' LONG AND 4' WIDE.
2) ALL SAMPLE DESIGNATIONS PRECEDED BY "9009-".
3) SAMPLE IDS WERE ASSIGNED BASED ON SITE NORTH TOWARDS MONMOUTH BOULEVARD

3 0 3 6

SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9009
UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

9009.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-3

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 03
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-3

PHOTO 1: View of the cleaned interior of UST-9009 (looking west).

PHOTO 2: View of UST-9009 being removed from the ground (looking west/northwest).

PHOTO 3: View of the sampling locations in UST-9009 excavation (looking north).

PHOTO 4: View of the remedial excavation beneath the former location of the UST-9009 return/feed lines (looking west/southwest).

PHOTO 5: View of the confirmatory sample locations beneath the concrete sidewalk leading to Building 9009.

PHOTO 6: View of UST-9009 staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-3

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3225
	DPW. SELFM-PW-EV	**Date Rec'd:**	17-Dec-97
	Bldg. 173	**Analysis Start:**	17-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	18-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldgs. 9009, 9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3225.01	9009-B1	1.00	15.23	86.21	179	ND
3225.02	9009-B2	1.00	15.42	90.56	168	ND
3225.03	9009-B3	1.00	15.32	91.93	167	229.99
3225.04	9009-N	1.00	15.50	86.57	175	ND
3225.05	9009-S	1.00	15.26	81.72	188	207.95
3225.06	9009-E	1.00	15.31	84.58	181	1358.64
3225.07	9009-W	1.00	15.40	80.06	191	ND
3225.08	9009-R/F/VL1	1.00	15.64	86.99	173	252.87
3225.09	9009-R/F/VL2	1.00	15.53	88.48	171	254.12
3225.10	9009-R/F/VL3	1.00	15.92	81.41	181	690.47
3225.11	9009-R/F/VL4	1.00	15.31	88.49	173	3214.67
3225.12	9009-R/F/VL5	1.00	15.86	85.10	174	847.07
3225.13	9006 ~~9009~~-RF(CT)1	1.00	14.99	90.64	173	ND
3225.14	9006 ~~9009~~-RF(CT)2	1.00	15.06	90.13	173	222.57
METHOD BLANK	17-Dec-97	1.00	15.00	100.00	157	ND
METHOD BLANK	22-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3249
	DPW. SELFM-PW-EV	**Date Rec'd:**	19-Dec-97
	Bldg. 173	**Analysis Start:**	22-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	23-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9009

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3249.01	9009-B4	1.00	15.49	93.63	162	ND
3249.02	9009-B5	1.00	15.25	93.74	164	ND
3249.03	9009-NE/W	1.00	15.47	92.88	164	ND
3249.04	9009-NE/E	1.00	15.68	94.28	159	ND
3249.05	9009-NE/N	1.00	15.53	93.05	163	ND
3249.06	9009-NE/S	1.00	15.52	91.02	166	ND
3249.07	9091(A)-A3	1.00	15.41	94.39	162	ND
3249.08	9091(A)-A4	1.00	15.54	92.46	164	ND
3249.09	9091(A)-A5	1.00	15.77	92.87	160	ND
3249.10	9091(A)-A6	1.00	15.51	93.15	163	ND
METHOD BLANK	22-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3254
	DPW. SELFM-PW-EV	**Date Rec'd:**	23-Dec-97
	Bldg. 173	**Analysis Start:**	29-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	30-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG.S. 9392 9009

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3254.01	9392-OBS1	1.00	15.48	88.56	171	ND
3254.02	9392-B1	1.00	15.32	94.19	163	ND
3254.03	9392-B2	1.00	15.55	94.34	160	ND
3254.04	9392-B3	1.00	15.38	93.45	164	ND
3254.05	9392-N	1.00	15.48	81.46	186	ND
3254.06	9392-S	1.00	15.37	86.53	177	ND
3254.07	9392-E	1.00	15.47	77.83	195	ND
3254.08	9392-W	1.00	15.58	82.05	184	ND
3254.09	9392-DS	1.00	15.44	89.01	171	395.68
3254.10	9392-VL	1.00	15.38	85.10	180	196.17
3254.11	9392-R/F	1.00	15.32	86.02	178	ND
3254.12	9009-OBS1	1.00	15.53	86.78	174	ND
3254.13	9009-OBS2	1.00	15.46	85.19	178	ND
METHOD BLANK	29-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3282
	DPW. SELFM-PW-EV	**Date Rec'd:**	14-Jan-98
	Bldg. 173	**Analysis Start:**	14-Jan-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	14-Jan-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9009

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3282.01	9009-R/F/VL6	1.00	15.81	85.99	173	ND
3282.02	9009-R/F/VL7	1.00	15.02	85.92	182	ND
3282.03	9009-R/F/VL8	1.00	15.51	88.40	171	ND
3282.04	9009-R/F/VL9	1.00	15.19	88.31	175	ND
3282.05	9009-R/F/VL10	1.00	15.55	88.74	170	ND
3282.06	9009-CNFRM1	1.00	15.15	75.68	205	944.88
METHOD BLANK	14-Jan-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3325
	DPW. SELFM-PW-EV	**Date Rec'd:**	06-Feb-98
	Bldg. 173	**Analysis Start:**	18-Feb-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	19-Feb-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldgs 9009/9001/9006

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3325.01	9009-CNFRM2	1.00	15.15	86.64	179	ND
3325.02	9009-CNFRM3	1.00	15.27	87.44	176	ND
3325.03	9009-CNFRM4	1.00	15.62	87.27	172	ND
3325.04	9001-RFL3	1.00	15.70	89.42	167	ND
3325.05	9001-RFL4	1.00	15.44	90.58	168	ND
3325.06	9001-RFL5	1.00	15.90	89.64	165	ND
3325.07	9001-RFL6	1.00	15.36	96.93	158	ND
3325.08	9006-RFL(2)-4	1.00	15.43	92.80	164	ND
3325.09	9006-RFL(2)-5	1.00	15.10	92.41	168	ND
3325.10	9006-RFL(2)-6	1.00	15.23	87.74	176	ND
3325.11	9006-RFL(2)-7	1.00	15.35	88.54	173	ND
3325.12	9006-RFL(2)-8	1.00	15.19	92.87	167	ND
METHOD BLANK	9-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE
UST NO. 90029-3

Reorder From:
The Drawing Board
P.O. Box 7944 • Hartford, CT 06104-7944
Call Toll Free: 1-800-527-9830

REORDER ITEM # BLN174

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 025

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building 9009
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall NJ 07719
Route:	Vehicle Number:

No. Shipping Units	* HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		For scrap only 1-1,000 Gallon U.S.T. Steel Cylinder Building # 9009 TANK # 90029-3			

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required by state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above-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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

Prepaid Charges
Amount Paid: _____
Check box if charges are to be billed
Billing Instructions: _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Daniels (Agent)

CARRIER SMC ENVIRONMENTAL SERVICES GROUP
PER _____
DATE 1/20/98

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item BDLN174 The Drawing Board, P.O. Box 7944, Hartford, CT 06104-7944
©EGI, 1992, Printed in U.S.A.

1995 8:52PM FROM JMT ENVIRON TECH 618 759 6149 P.03

25

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9009

VESSEL: 1,000-Gallon Steel UST
(Formally # 2 Fuel Oil)

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 12/15/97, 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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-3

LORCO PETROLEUM SERVICES
Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

181260

SALES ORDER #

GENERATOR/LOCATION

CAMP CUBS AREA
INFORMATION/ATTENTION LINE — ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS
WALL NJ
CITY — STATE — ZIP

PHONE NUMBER — PURCHASE ORDER NUMBER

USA EPA ID NO. (IF APPLICABLE) — STATE ID NO.
NA

BILL TO (IF DIFFERENT FROM LOCATION)

NAME
SMG Environmental Services
INFORMATION/ATTENTION LINE — ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS
501 Allendale Road
CITY — STATE — ZIP
King of Prussia PA 19406
PHONE NUMBER — PURCHASE ORDER NUMBER
(610) 265-2700 16898

MANIFEST NUMBER 9779

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		X600				
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL						
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
41500	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		JAM	1030 AM			
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			Pumped out Drums & Tank				

600 gallons

3.5 hours

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

DINKER M. DESAI — Title
Print Name
Signature — Date
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

1000 PPM

TOTAL

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.

JOHN SALVATO
Print Name
Signature — 12/31/97 — Date
LORCO REPRESENTATIVE

ORIGINAL

LORCO PETROLEUM SERVICES

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A | Manifest Document No. 009779 | 2. Page 1 of 1 | NHZ 009779

3. Generator's Name and Mailing Address USArmy Communications Electronics Command
Camp Evans Area C/o T. Fallon Bldg 173
ATTN: SEIFM-PW-EV Ft Monmouth, NJ 07703

4. Generator's Phone (732) 427-4371

5. Transporter 1 Company Name: LIONETTI OIL RECOVERY CC INC | 6. US EPA ID Number: NJD084044064 | 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 CC INC DBA LORCO PETROLEUM SVCS
RUNYON&CHEESEQUAKE RDS
OLD BRIDGE, NJ 08857 | 10. US EPA ID Number: NJD084044064 | C. Facility's Phone: 908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLEL LIQUID UN1270 PGIII	00	1T	TX600	G
b.				
c.				
d.				

GENERATOR

D. Additional Descriptions for Materials Listed Above
T,L PETROLEUM OIL 90 %
WATER 10 %

E. Handling Codes for Wastes Listed Above
T04 FILTRATION

15. Special Handling Instructions and Additional Information
24 HR EMERGENCY RESPONSE#(908) 721-0900
DECAL# 8088 ERG#128 DEXSIL TEST KIT RESULTS <1000PPM
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	Signature	Month	Day	Year
X DINESH M. DESAI	X	12	31	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOHN SAVATORE		12	31	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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

ORIGINAL - RETURN TO GENERATOR

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Hazardous Waste Manifest No. 9779 dated 12 31 97, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

X721: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

X722: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

X723: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

X724: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

X725: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

X726: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

X728. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: _____ PPM halogens.

I am duly authorized to sign said certification.

Generator US Army Communications Electronics Comand Camp Guins Area

Generator's EPA ID No. NJ3210020324

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United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9012
Camp Evans Area

NJDEP UST Registration No. 90029-4

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EXECUTIVE SUMMARY

UST Closure

On February 3, 1998, a fiberglass underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-4 (Fort Monmouth Identification No. 9012(A)), was located north of Building 9012 and east of Building 9011 in the Camp Evans area of Fort Monmouth. The UST was a 10,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the northern end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST and the only evidence of potentially contaminated soil in the vicinity of the UST was observed surrounding the fill port of the tank and one end of the UST where the fiberglass was cracked during excavation activities; however, contamination was found when the return/feed line piping length between Building 9012 and the former UST location was excavated and removed. Samples collected at the time the UST was removed contained non-detectable concentrations of total petroleum hydrocarbons (TPHC). Samples collected at the time that the return/feed line piping length was removed contained concentrations of TPHC ranging from non-detect to 9,850.73 milligrams per kilogram (mg/kg). After additional soil was excavated and removed, TPHC concentrations in the remaining soil ranged from non-detected to 892.33 mg/kg. The total amount of soil removed from the excavation was 15 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9012 and Building 9011 areas as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in remaining soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-4 at Building 9012.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-4, was closed at Building 9012 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on February 3, 1998. The UST was a fiberglass 10,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-4 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that no significant historical discharges are associated with UST No. 90029-4, but that at least one significant historical discharge occurred from the associated piping of the UST.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Buildings 9012 and 9011 are located in the main section of the Camp Evans area of the Fort Monmouth Army Base, as shown in Figure 1. UST No. 90029-4 was located north of Building 9012 and adjacent to the east side of Building 9011 and associated piping ran approximately 150 feet south from the excavation to Building 9012. The UST fill port area was located directly above the northern end of the tank. A site map is provided in Figure 1 showing the location of the UST-9012(A) removal relative to Building 9012.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the concrete pad above the UST and associated piping. Before the decommissioning activities could proceed further, SMC had to break up and remove the concrete pad and transport the fragments to the soil staging area. Afterwards, all free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to removal because of the low volatility of No. 2 fuel oil. After the removal of the concrete pad and purging of the associated piping, soil excavation continued to uncover the UST. Because of the large size of the UST, SMC decided to remove the tank from the ground prior to opening and cleaning the tank in order to avoid a confined space entry situation. Once the UST was removed and temporarily staged on the asphalt driveway, SMC cut open the tank with a circular saw and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads. After the UST had been cleaned and removed, SMC excavated and removed the associated piping.

After the UST was staged and cleaned, it was examined for holes. No holes were observed by the Tetra Tech site manager and the SMC subsurface evaluator (except for a crack at the southern end of the tank that occurred during the excavation activities). Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed except for soil located adjacent to the fill port of the tank and soil located adjacent to the southern end of the UST where the fiberglass was cracked during excavation activities. Visual and PID/FID soil screening was also performed along exposed piping associated with the UST. Contamination was noted midway along the piping length between the UST and Building 9012.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was broken up and staged in a rolloff container from Marpal Disposal Company, in Tinton Falls, New Jersey for later pickup and disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate.

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID and FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil adjacent to the associated piping length was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST and piping excavations.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: David H. Daniels
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  NJDEP Certification No.: 0010279

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
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  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID and FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST, as well as the UST excavation sidewalls and bottom, did not exhibit contamination; however, soil surrounding a portion of the associated piping did exhibit indications of contamination.

2.2 SOIL SAMPLING

On February 3, 1998, after the UST removal, post-excavation soil samples 9012(A)W1, 9012(A)E1, 9012(A)S1, 9012(A)C1, 9012(A)W2, 9012(A)E2, 9012(A)E3 (Duplicate of 9012(A)E2), 9012(A)N1, 9012(A)DS, and 9012(A)VP were collected from nine locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the concrete pad beneath the former UST location from 9 to 9.5-feet below ground surface (bgs). No bottom samples could be collected because of the concrete pad. Sample 9012(A)DS was collected from the northeast corner of the excavation from 11 to 11.5-feet bgs. Sample 9012(A)C1 was collected from the southeastern corner of the excavation at the point where the associated piping left the excavation and proceeded toward Building 9012. Sample 9012(A)C1 was collected from 2 to 2.5-feet bgs. Sample 9012(A)VP was collected from next to Building 9011 (at the former location of the vent line) from 2 to 2.5-feet bgs. In addition, samples 9012(A)OBS1 and 9012(A)OBS2 were collected (on February 4, 1998)from the overburden soil piles to verify that the piles were not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

After analytical results for the original post-excavation samples revealed that no contamination was present in the UST excavation, Tetra Tech and SMC excavated and removed the associated piping between the former UST location and Building 9012. Following the removal of the piping, post-

excavation soil samples 9012(A)CT1, 9012(A)CT8, 9012(A)CT7 (Duplicate of 9012(A)CT8), 9012(A)CT6, 9012(A)CT5, 9012(A) CT4, 9012(A)CT3, 9012(A)CT2, 9012(A)CT9, 9012(A)CT10, 9012(A)CT11, 9012(A)CT12, 9012(A)CT13, and 9012(A)CT14 were collected from a total of thirteen sampling locations on March 2 and 3, 1998. The samples were collected from 0 to 0.5-feet bgs and 2 to 2.5-feet bgs. All samples were analyzed for TPHC and total solids.

Analytical results for the post-excavation samples from the return/feed line piping length revealed contamination of 9,850.73 milligrams per kilogram (mg/kg) TPHC at the 9012(A)CT1 sample location, 1,861.51 mg/kg TPHC at the 9012(A)CT2 sample location, and 1,095.84 mg/kg TPHC at the 9012(A)CT11 sample location. These concentrations exceed 1,000 mg/kg TPHC, which is NJDEP's criterion for additional soil removal/remediation or for required VOC sampling. As a result, on March 12, 1998, Tetra Tech and SMC excavated additional soil from the contaminated sample locations mentioned above and collected post-excavation soil samples 9012(A)CNFRM1, 9012(A)CNFRM2, 9012(A)CNFRM3, 9012(A)CNFRM4, 9012(A)CNFRM5 (Duplicate of 9012(A)CNFRM4), 9012(A)CNFRM6, 9012(A)CNFRM7, 9012(A)CNFRM8, 9012(A)CNFRM9, and 9012(A)CNFRM10 from a total of nine sampling locations. All samples were collected from between 1 to 1.5-feet bgs and 3.5 to 4-feet bgs and were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from nine locations on February 3, 1998, thirteen locations on March 2 and 3, 1998, and nine locations on March 12, 1998. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

All of the post-excavation soil samples collected on February 3, 1998, March 2, 1998, and March 3, 1998 from the UST excavation and the associated piping contained concentrations of TPHC ranging from non-detect to 9,850.73 milligrams per kilograms (mg/kg). The post-excavation samples collected on March 12, 1998 contained concentrations of TPHC ranging from non-detect to 892.33 mg/kg.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9012 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, no longer exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-4 at Building 9012.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities [UST-9012(A)]
Building 9012, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9012(A)W1	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)E1	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)S1	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)C1	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)W2	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)E2	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)E3	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)N1	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)DS	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)VP	2/3/98	2/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)OBS1	2/4/98	2/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)OBS2	2/4/98	2/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT1	3/2/98	3/3/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT8	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT2	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM7**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM8**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM9**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM10**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT7	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT6	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT5	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT4	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT3	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT9	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT10	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT11	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM3**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM4**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 1
Summary of Post-Excavation Sampling Activities [UST-9012(A)]
Building 9012, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9012(A)CNFRM5**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM6**	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT12	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT13	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CT14	3/3/98	3/5/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM1	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(A)CNFRM2	3/12/98	3/12/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results [UST 9012(A)]
Building 9012, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9012(A)W1	3317.01	2/3/98	2/3 - 4/98	TPHC	172	ND	10,000	No
9012(A)E1	3317.02	2/3/98	2/3 - 4/98	TPHC	164	ND	10,000	No
9012(A)S1	3317.03	2/3/98	2/3 - 4/98	TPHC	177	ND	10,000	No
9012(A)C1	3317.04	2/3/98	2/3 - 4/98	TPHC	165	ND	10,000	No
9012(A)W2	3317.05	2/3/98	2/3 - 4/98	TPHC	176	ND	10,000	No
9012(A)E2	3317.06	2/3/98	2/3 - 4/98	TPHC	168	ND	10,000	No
9012(A)E3	3317.07	2/3/98	2/3 - 4/98	TPHC	165	ND	10,000	No
9012(A)N1	3317.08	2/3/98	2/3 - 4/98	TPHC	163	ND	10,000	No
9012(A)DS	3317.09	2/3/98	2/3 - 4/98	TPHC	158	ND	10,000	No
9012(A)VP	3317.10	2/3/98	2/3 - 4/98	TPHC	178	ND	10,000	No
9012(A)OBS1	3320.01	2/4/98	2/5 - 7/98	TPHC	162	ND	10,000	No
9012(A)OBS2	3320.02	2/4/98	2/5 - 7/98	TPHC	162	ND	10,000	No
9012(A)CT1	3379.12	2/4/98	2/5 - 7/98	TPHC	170	9,850.73	10,000	No
9012(A)CT2	3382.07	3/3/98	3/5/98	TPHC	184	1,861.51	10,000	No
9012(A)CNFRM7**	3406.07	3/12/98	3/12 - 13/98	TPHC	175	ND	10,000	No
9012(A)CNFRM8**	3406.08	3/12/98	3/12 - 13/98	TPHC	176	ND	10,000	No
9012(A)CNFRM9**	3406.09	3/12/98	3/12 - 13/98	TPHC	174	ND	10,000	No
9012(A)CNFRM10**	3406.10	3/12/98	3/12 - 13/98	TPHC	176	ND	10,000	No
9012(A)CT8	3382.01	3/2/98	3/3 - 4/98	TPHC	175	ND	10,000	No
9012(A)CT7	3382.02	3/3/98	3/5/98	TPHC	178	ND	10,000	No
9012(A)CT6	3382.03	3/3/98	3/5/98	TPHC	179	ND	10,000	No
9012(A)CT5	3382.04	3/3/98	3/5/98	TPHC	174	ND	10,000	No
9012(A)CT4	3382.05	3/3/98	3/5/98	TPHC	179	ND	10,000	No
9012(A)CT3	3382.06	3/3/98	3/5/98	TPHC	178	ND	10,000	No
9012(A)CT9	3382.08	3/3/98	3/5/98	TPHC	195	399.17	10,000	No
9012(A)CT10	3382.09	3/3/98	3/5/98	TPHC	208	372.81	10,000	No

Note:

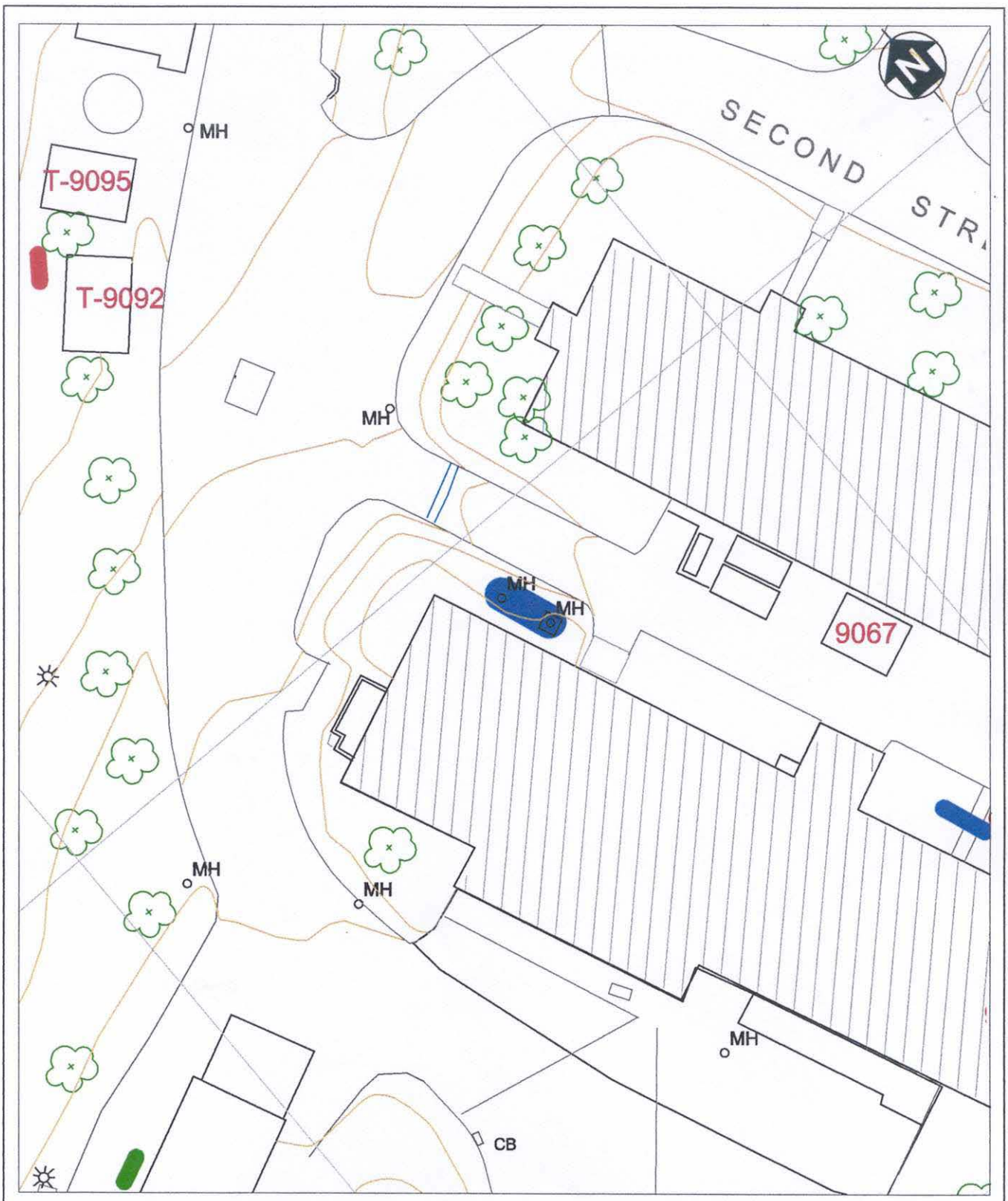
* Tetra Tech EM. Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results [UST 9012(A)]
Building 9012, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9012(A)CT11	3382.10	3/3/98	3/5/98	TPHC	203	1,095.84	10,000	No
9012(A)CNFRM3**	3406.03	3/12/98	3/12 - 13/98	TPHC	186	ND	10,000	No
9012(A)CNFRM4**	3406.04	3/12/98	3/12 - 13/98	TPHC	189	ND	10,000	No
9012(A)CNFRM5**	3406.05	3/12/98	3/12 - 13/98	TPHC	183	ND	10,000	No
9012(A)CNFRM6**	3406.06	3/12/98	3/12 - 13/98	TPHC	174	ND	10,000	No
9012(A)CT12	3382.11	3/3/98	3/5/98	TPHC	250	892.33	10,000	No
9012(A)CT13	3382.12	3/3/98	3/5/98	TPHC	192	ND	10,000	No
9012(A)CT14	3382.13	3/3/98	3/5/98	TPHC	170	ND	10,000	No
9012(A)CNFRM1	3406.01	3/12/98	3/12 - 13/98	TPHC	181	234.56	10,000	No
9012(A)CNFRM2	3406.02	3/12/98	3/12 - 13/98	TPHC	178	ND	10,000	No

Note:

* Tetra Tech EM. Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.



UNDERGROUND STORAGE TANK

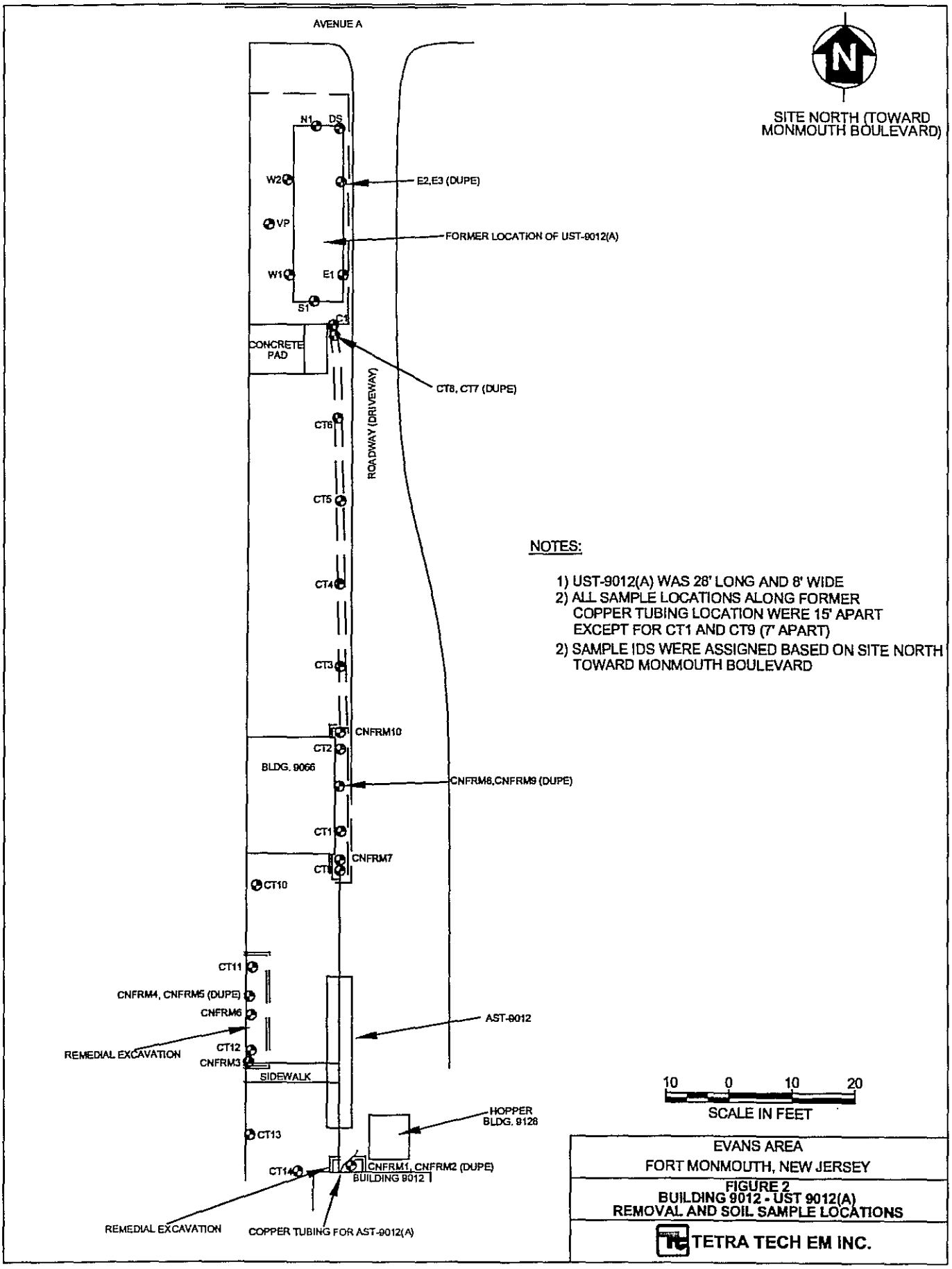
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9012(A) - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9012a.DWG ASC 01/19/99


AVENUE A
SITE NORTH (TOWARD MONMOUTH BOULEVARD)
N1
DS
W2
E2,E3 (DUPE)
VP
FORMER LOCATION OF UST-9012(A)
W1
E1
S1
CT1
CONCRETE PAD
CT8, CT7 (DUPE)
ROADWAY (DRIVEWAY)
CT6
CT5
CT4
CT3
CNFRM10
CT2
BLDG. 9066
CNFRM8,CNFRM9 (DUPE)
CT1
CNFRM7
CT9
CT10
CT11
CNFRM4, CNFRM5 (DUPE)
CNFRM6
AST-9012
REMEDIAL EXCAVATION
CT12
CNFRM3
SIDEWALK
HOPPER BLDG. 9128
CT13
CT14
CNFRM1, CNFRM2 (DUPE)
BUILDING 9012
REMEDIAL EXCAVATION
COPPER TUBING FOR AST-9012(A)
NOTES:
1) UST-9012(A) WAS 28' LONG AND 8' WIDE
2) ALL SAMPLE LOCATIONS ALONG FORMER COPPER TUBING LOCATION WERE 15' APART EXCEPT FOR CT1 AND CT9 (7' APART)
2) SAMPLE IDS WERE ASSIGNED BASED ON SITE NORTH TOWARD MONMOUTH BOULEVARD
10 0 10 20
SCALE IN FEET
EVANS AREA
FORT MONMOUTH, NEW JERSEY
FIGURE 2
BUILDING 9012 - UST 9012(A)
REMOVAL AND SOIL SAMPLE LOCATIONS
TETRA TECH EM INC.
9012a.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-4

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 04
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE

UST NO. 90029-4

PHOTO 1: View of UST-9012(A) being uncovered - holes have been cut into tank to facilitate the removal of oil residue/sludge from the interior (looking southwest).

PHOTO 2: View of UST-9012(A) after removal from the ground (looking east/northeast).

PHOTO 3: View of the main UST-9012(A) excavation prior to sampling (looking south/southwest).

PHOTO 4: View of the sampling locations along the former location of the UST-9012(A) return/feed lines (copper tubing) adjacent to Building 9066 (looking north).

PHOTO 5: View of the sampling locations along the former location of the UST-9012(A) return/feed lines (copper tubing) adjacent to Buildings 9011, 9012, and 9066 (looking north).

PHOTO 6: View of the sampling locations in the remedial excavation of UST-9012(A) return/feed lines (adjacent to Building 9066) (looking south).

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-4

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3317
	DPW. SELFM-PW-EV	**Date Rec'd:**	03-Feb-98
	Bldg. 173	**Analysis Start:**	03-Feb-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	04-Feb-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9011 TANK 9012

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3317.01	9012 -W1	1.00	15.15	90.41	172	ND
3317.02	9012 -E1	1.00	15.29	93.81	164	ND
3317.03	9012 -S1	1.00	14.98	88.57	177	ND
3317.04	9012 -C1	1.00	15.86	89.76	165	ND
3317.05	9012 -W2	1.00	15.05	88.77	176	ND
3317.06	9012 -E2	1.00	15.60	89.86	168	ND
3317.07	9012 -E3	1.00	15.88	89.83	165	ND
3317.08	9012 -N1	1.00	15.59	92.29	163	ND
3317.09	9012 -DS	1.00	15.25	97.24	158	ND
3317.10	9012 -VP	1.00	15.07	87.84	178	ND
METHOD BLANK	3-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3320
	DPW. SELFM-PW-EV	**Date Rec'd:**	04-Feb-98
	Bldg. 173	**Analysis Start:**	05-Feb-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	07-Feb-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9011 TANK 9012 (A)

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3320.01	9012-OBS1	1.00	15.61	92.85	162	ND
3320.02	9012-OBS2	1.00	15.31	94.57	162	ND
METHOD BLANK	5-Feb-98	1.00	15.00	100.00	157	ND

ND = Not Detected
MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3379
	DPW. SELFM-PW-EV	**Date Rec'd:**	03-Mar-98
	Bldg. 173	**Analysis Start:**	03-Mar-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	04-Mar-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldg 9089/9012

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3379.01	9089(W)A	1.00	15.56	97.06	156	ND
3379.02	9089(W)B	1.00	15.00	85.51	183	ND
3379.03	9089(W)C	1.00	15.12	86.19	180	ND
3379.04	9089-CTR1	1.00	15.13	84.54	184	2823.87
3379.05	9089-CTR2	1.00	15.65	84.80	177	ND
3379.06	9089-CTR3	1.00	15.39	84.30	181	ND
3379.07	9089-CTR4	1.00	15.48	85.51	178	ND
3379.08	9089-CTR5	1.00	15.37	86.63	176	ND
3379.09	9089-CTR6	1.00	15.60	85.71	176	ND
3379.10	9089-CTR7	1.00	15.49	87.61	173	ND
3379.11	9089-CTR8	1.00	15.89	85.53	173	196.06
3379.12	9012(A)-CT1	1.00	15.38	90.01	170	9850.73
METHOD BLANK	3-Mar-98	1.00	15.00	100.00	157	ND

ND = Not Detected
MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3382
	DPW. SELFM-PW-EV	**Date Rec'd:**	05-Mar-98
	Bldg. 173	**Analysis Start:**	05-Mar-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	05-Mar-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldg 9012

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3382.01	9012(A)-CT8	1.00	15.27	87.95	175	ND
3382.02	9012(A)-CT7	1.00	15.23	86.60	178	ND
3382.03	9012(A)-CT6	1.00	15.13	86.96	179	ND
3382.04	9012(A)-CT5	1.00	15.52	86.99	174	ND
3382.05	9012(A)-CT4	1.00	15.06	87.16	179	ND
3382.06	9012(A)-CT3	1.00	15.27	86.38	178	ND
3382.07	9012(A)-CT2	1.00	15.44	82.82	184	1861.51
3382.08	9012(A)-CT9	1.00	15.08	79.77	195	399.17
3382.09	9012(A)-CT10	1.00	15.15	74.51	208	372.81
3382.10	9012(A)-CT11	1.00	15.37	75.31	203	1095.84
3382.11	9012(A)-CT12	1.00	15.70	59.93	250	892.33
3382.12	9012(A)-CT13	1.00	15.11	80.91	192	ND
3382.13	9012(A)-CT14	1.00	15.66	88.06	170	ND
METHOD BLANK	3-Mar-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3406
	DPW. SELFM-PW-EV	**Date Rec'd:**	12-Mar-98
	Bldg. 173	**Analysis Start:**	12-Mar-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	13-Mar-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldg. 9012

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3406.01	9012A-CNFRM1	1.00	15.04	86.49	181	234.56
3406.02	9012A-CNFRM2	1.00	15.05	87.80	178	ND
3406.03	9012A-CNFRM3	1.00	15.05	84.07	186	ND
3406.04	9012A-CNFRM4	1.00	15.07	82.66	189	ND
3406.05	9012A-CNFRM5	1.00	15.07	85.03	183	ND
3406.06	9012A-CNFRM6	1.00	15.21	88.99	174	ND
3406.07	9012A-CNFRM7	1.00	15.05	89.04	175	ND
3406.08	9012A-CNFRM8	1.00	15.27	87.31	176	ND
3406.09	9012A-CNFRM9	1.00	15.20	88.97	174	ND
3406.10	9012A-CNFRM10	1.00	15.00	88.80	176	178.72
METHOD BLANK	12-Mar-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE

UST NO. 90029-4

FROM JMT ENVIRON. TECH 618 789 6149 1995 8:52PM

Reorder From
The Drawing Board
PO Box 2244, Hartford, CT 06104-2244

REORDER ITEM # BLN174

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 035

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
Name of Carrier

To (Consignee) Marpal Disposal Company	From (Shipper) U.S. Army Camp Evans
Street 1861 Wayside Road	Street Building 9012
Destination Tinton Falls, NJ 07724	Origin Wall NJ 07719
Route	Vehicle Number

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		Crushed in Roll OFF			
		1- 10,000 Gallon U.S.T			
		Claim #			
		Building # 9012 A			
		TANK # 90029-4			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Davies (Agent)

CARRI Marpal Disposal Co.
PER
DATE 2/12/98

1 ← *

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder from BLN174 The Drawing Board, P.O. Box 2244, Hartford, CT 06104-2244
©1991, 1992, Printed in U.S.A.

35

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9012

VESSEL: 10,000-Gallon Fiberglass UST
(Formally # 2 Fuel Oil)

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 2/12/98, 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~~ landfill. **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 /Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-4

LORCO
PETROLEUM SERVICES

GENERATOR/LOCATION

BILL TO (IF DIFFERENT FROM)

SHIPPING INFORMATION

SERVICE SECTION

SALES CODE	TY	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						
41001		GASOLINE/WATER						
41501		DRUM DISPOSAL						
41504		TANK ENTRY						
41800		PARTS WASHER SERVICE						
41910		TRUCK & OPERATOR						
41100		ONE 55 GAL DRUM						
41502		LAB ANALYTICAL TESTING						
42001		NJ SALES TAX						
41503		TRANSPORTATION						

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

FINANCE CHARGES TO CUSTOMER: INVOICES NOT PAID WITHIN 30 DAYS ARE SUBJECT TO AN INTEREST RATE OF ONE AND ONE-HALF PERCENT (1½%) PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW (IF ANY) 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 ... In accordance the N.J.A.C. 7:26-12 et seq. LORCO has the required permits to accept the above described waste.

Title

Date

Signature

GENERATOR/CUSTOMER

SMALL QUANTITY GENERATOR CERTIFICATION

I certify I am a generator that does not accumulate more than 1,000 kilograms of hazardous waste per month (as defined in 40 CFR 261) and does not accumulate more than 1,000 kilograms of acute waste during the month.

GENERATOR'S SIGNATURE

LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CUT TEST RESULTS

PPM

PAYMENT RECEIVED SECTION

CASH

CHECK NUMBER

TOTAL RECEIVED

CUSTOMER SERVICED EVERY 30 DAYS

In accordance with 40 CFR 266.§ 435(b)(10) LORCO has notified the USEPA of its location and used oil management activities.

Print Name

Signature

Date

LORCO REPRESENTATIVE

LORCO PETROLEUM SERVICES

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	NHZ 010679
N.J.3.2.1.0.0.2.0.3.2.4	0.1067.9		

Generator's Name and Mailing Address
U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND FORT MONMOUTH
C/O JOSEPH FALLON BLD 173 ATTN SELCM-PW-EV
FT MONMOUTH NJ 07703

4. Generator's Phone (732) 532-6223

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
LIONETTI OIL RECOVERY CO INC	N J D 9 8 1 4 1 1 6 4	908 721-0900
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
	. . . . .	

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
LIONETTI OIL RECOVERY CO INC DBA LORCO PETROLEUM SVCS SUNYONMCHESSEQUAKE RDS OLD BRIDGE,NJ 08857	N J D 9 8 1 4 1 1 6 4	908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLE LIQUID UN1270 PGIII	0 1	T	XY343	3
b.	. .	.	. . . .	
c.	. .	.	. . . .	
d.	. .	.	. . . .	

GENERATOR

D. Additional Descriptions for Materials Listed Above
T.L. PETROLEUM OIL 99 %
WATER 1 %
3

E. Handling Codes for Wastes Listed Above
T04 FILTRATION

15. Special Handling Instructions and Additional Information
24 HR EMERGENCY RESPONSE#(908) 721-0900
DECAL#87083ERG#128 DEXSIL TEST KIT RESULTS<1000PPM
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	Signature	Month	Day	Year
X Thomas Appleby SELCM-PW-EV	X	2	19	98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		2	19	98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		.	.	.

FACILITY

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'S COPY

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Non Hazardous Waste Manifest No. NH2 0100679 dated 2-19-98,
is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

1072

L-21: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

(L-22:) Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

L-23: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

L-24: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

L-25: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

L-26: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

L-28. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results:_____PPM halogens.

I am duly authorized to sign said certification.

Generator U.S. Army Communication Electronics Command Cargo Evans Area

Generator's EPA ID No. NJ. 3210020326

Address c/o Joseph Fallon Bldg 173. ATTN SELFM-PW-EV FORT MONMOUTH, N.J. 07703

Print Name Charles Appleby Signature

Title Env. Pro Spec. SELFM-PW-EV

Date 2.19.98

Form 003 11/97

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9012
Camp Evans Area

NJDEP UST Registration No. 90029-44

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EXECUTIVE SUMMARY

UST Closure

On October 31, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-44 (Fort Monmouth Identification No. 9012(B)), was located north of Building 9012 and east of Building 9011 in the Camp Evans area of Fort Monmouth. The UST was a 4,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the center of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No deterioration holes were noted in the UST and the only evidence of contaminated soil was observed inside the tank (The UST had previously been abandoned by cutting open the top of the tank and filling the tank with sand without removing the remaining oil/oil residue). Samples collected at the time the UST was removed contained concentrations of total petroleum hydrocarbons (TPHC) ranging from non-detect to 2,388.16 milligrams per kilogram (mg/kg). After additional soil was excavated and removed, the TPHC concentrations remaining in the soil ranged from non-detect to 300.82 mg/kg. The total amount of soil removed from the excavation (including the sand inside the tank) was approximately 110 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9012 area, as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in remaining soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-44 at Building 9012.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-44, was closed at Building 9012 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on October 31, 1997. The UST was a steel 4,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-44 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that at least one historical discharge was associated with UST No. 90029-44.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9012 is located between Buildings 9010 and 9011 in the Camp Evans area of the Fort Monmouth Army Base as shown in Figure 1. UST No. 90029-44 was located north of Building 9012 and east of Building 9011 and associated piping formerly ran approximately 10 feet south from the UST to Building 9012. The UST fill port area was located directly above the center of the tank. A site map is provided in Figure 1 showing the location of the UST-9012(B) removal relative to Building 9012.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and the former location of the associated piping (no piping was currently connected to the UST because the tank was already out-of-service when removed). When SMC uncovered the southern end of the UST, a hole that had been cut into the top of the tank was observed and the interior of the tank was found to be full of oily sand and an oil/water mixture (it appeared that the UST had been filled with sand as a method of abandonment without removing the fuel oil/oil residue from the tank). As a result, SMC delayed the removal of the UST until the contents of the tank could be removed. SMC called Lorco Petroleum Company and made arrangements for a vacuum truck to be sent to the site to remove the oil/water mixture from the UST. After that had been completed, SMC cut open the remainder of the tank with a nonsparking pneumatic cutter and began removing the contaminated soil for transport to the soil staging area.

After the majority of the contaminated soil had been removed, SMC cut the UST in half, removed both halves from the excavation, and staged them on polyethylene sheeting to be cleaned (SMC cleaned both sections of the tank by wiping the interior out thoroughly with oil absorbent pads). After the UST was cleaned, the sections were examined for holes. No deterioration holes were observed by the Tetra Tech subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually, with a photoionization detector (PID), and with a flame ionization detector (FID) for contamination. No evidence of contamination was observed other than a pile of soil that had fallen out of the UST during removal and soil located at the north end of the excavation. Visual and PID/FID soil screening was also performed along the former location of piping associated with the UST. No contamination was noted anywhere along the former piping length.

The oil/water mixture removed from the UST was transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID and FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil from inside the UST and from the north side of the excavation was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID and a FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from inside the UST and the north end of the excavation did exhibit evidence of contamination and was transported to the soil staging area.

2.2 SOIL SAMPLING

On November 3, 1997, after the UST removal, post-excavation soil samples 9012(B)B1, 9012(B)B2 (Duplicate of 9028(B)B1), 9012(B)B3, 9012(B)B4, 9012(B)N, 9012(B)S, 9012(B)E1, 9012(B)E2, 9012(B)W1, 9012(B)W2, 9012(B) VL, and 9012(B)RF were collected from eleven locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from beneath the former UST location, or 9 to 9.5-feet below ground surface (bgs). The sidewall samples were collected from 8.5 to 9-feet bgs. Sample 9012(B)RF was collected from next to Building 9012 along the former return/feed line piping length of the excavation, which was approximately 10 feet long. Sample 9012(B)RF was collected from 2.5 to 3-feet bgs. Sample 9012(B)VL was collected adjacent to Building 9011 at the former location of the vent line from 2 to 2.5-feet bgs. In addition, sample 9012(B)OBS was collected from the overburden soil pile to verify that the pile was not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

Analytical results of the original post-excavation samples revealed 2,388.16 milligrams per kilograms (mg/kg) TPHC at the 9012(B)N sample location. This concentration exceeds 1,000 mg/kg TPHC, which is NJDEP's criterion for additional soil removal/remediation or for required VOC sampling. As a result, on November 7, 1997, Tetra Tech and SMC excavated additional soil from the north end of the original UST excavation and collected post-excavation soil samples 9012(B)N2 and 9012(B)N3 (Duplicate of 9012(B)N2) from a total of one sampling location. Both samples were sidewall samples and were collected from 10.5 to 11-feet bgs. Both samples were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from eleven locations on November 3, 1997 and from one location on November 7, 1997. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,0000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criteria of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

One of the post-excavation soil samples collected on November 3, 1997 from the UST excavation and from below the former location of piping associated with the UST contained 2,388.16 mg/kg of TPHC, which exceeded the NJDEP soil cleanup criterion of 1,000 mg/kg TPHC, requiring additional soil removal/remediation or required VOC sampling. The remainder of the samples contained TPHC concentrations from non-detect to 300.82 mg/kg.

As a result, additional soil excavation and post-excavation sampling was conducted on November 7, 1997 (see Section 2.2). Both samples from the one sampling location contained nondetectable concentrations of TPHC.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the 9012(B) UST excavation at Building 9012 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, no longer exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-44 at Building 9012.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities [UST 9012(B)]
Building 9012, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9012(B)OBS	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)B1	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)B2	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)B3	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)B4	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)VL	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)RF	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)N	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)N2**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)N3**	11/7/97	11/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)S	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)E1	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)E2	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)W1	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9012(B)W2	11/3/97	11/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results [UST9012(B)]
Building 9012, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9012(B)OBS	3137.01	11/3/97	11/4 - 5/97	TPHC	165	ND	10,000	No
9012(B)B1	3137.02	11/3/97	11/4 - 5/97	TPHC	166	ND	10,000	No
9012(B)B2	3137.03	11/3/97	11/4 - 5/97	TPHC	171	ND	10,000	No
9012(B)B3	3137.04	11/3/97	11/4 - 5/97	TPHC	174	ND	10,000	No
9012(B)B4	3137.05	11/3/97	11/4 - 5/97	TPHC	185	ND	10,000	No
9012(B)VL	3137.06	11/3/97	11/4 - 5/97	TPHC	176	294.47	10,000	No
9012(B)RF	3137.07	11/3/97	11/4 - 5/97	TPHC	178	300.82	10,000	No
9012(B)N	3137.08	11/3/97	11/4 - 5/97	TPHC	174	2,388.16	10,000	No
9012(B)N2**	3153.03	11/7/97	11/10 - 11/97	TPHC	167	ND	10,000	No
9012(B)N3**	3153.04	11/7/97	11/10 - 11/97	TPHC	160	ND	10,000	No
9012(B)S	3137.09	11/3/97	11/4 - 5/97	TPHC	178	ND	10,000	No
9012(B)E1	3137.10	11/3/97	11/4 - 5/97	TPHC	173	ND	10,000	No
9012(B)E2	3137.11	11/3/97	11/4 - 5/97	TPHC	167	ND	10,000	No
9012(B)W1	3137.12	11/3/97	11/4 - 5/97	TPHC	171	ND	10,000	No
9012(B)W2	3137.13	11/3/97	11/4 - 5/97	TPHC	173	ND	10,000	No

Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

UNDERGROUND STORAGE TANK

20 0 20 40
SCALE

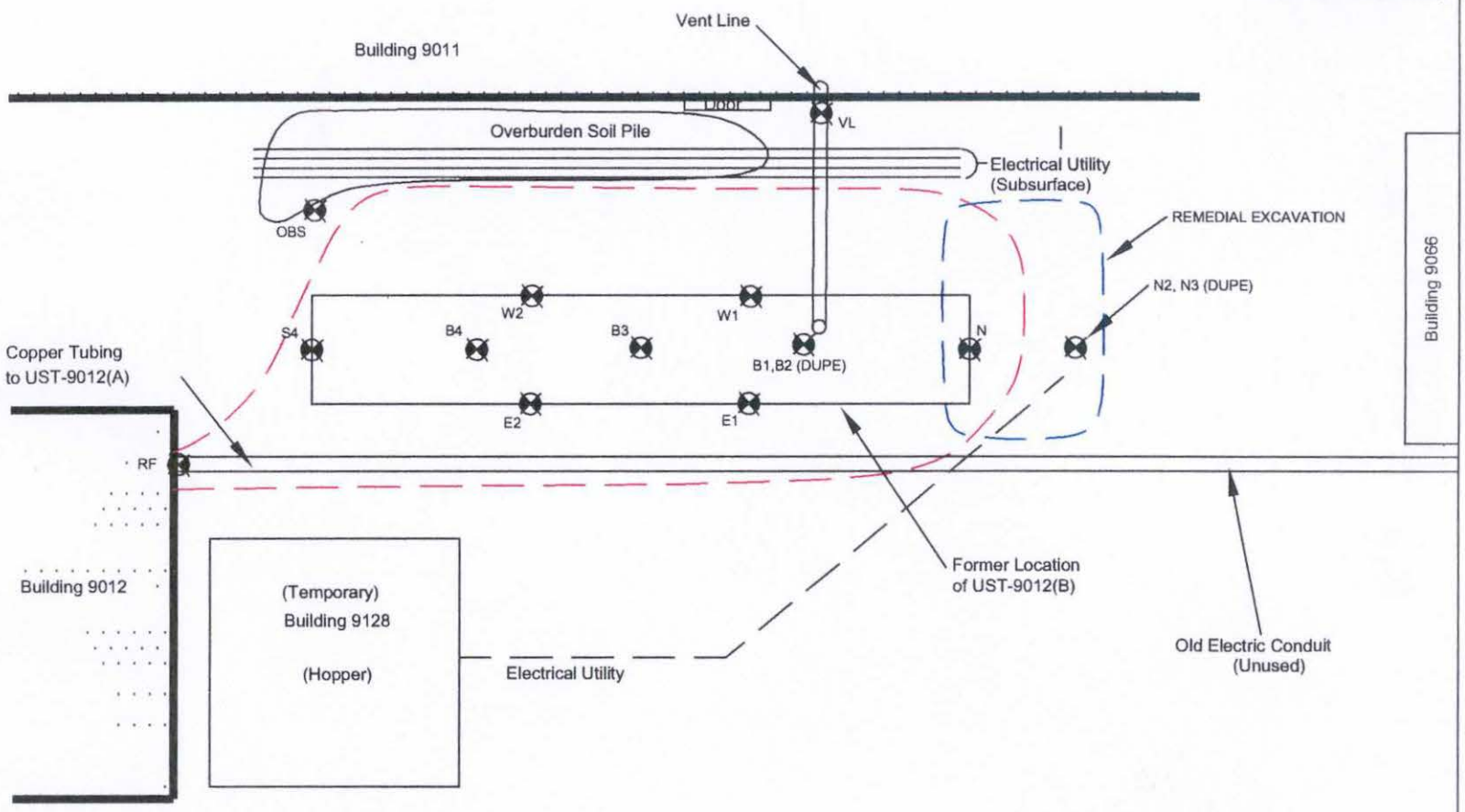
EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9012(B) - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9012a.DWG ASC 01/19/99

9012a.DWG ASC 01/19/99



NOTES:

1) All sample designations are preceded by "9012(B)-"

2) Sample Depths:

A) 9012(B)-B1, B2, B3, B4 (9.0'-9.5')

B) 9012(B)- N, S, E1, E2, W1, W2 (8.5'-9.0')

C) 9012(B)- VL (2.0'-2.5')

D) 9012-(B) - OBS (pile)

3) UST-9012(B) was 24' long and 5' wide

4) Sample IDs were assigned based on site north towards Monmouth Boulevard

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9012 - UST 9012(B)
REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 44
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-44

PHOTO 1: View of UST-9012(B) prior to excavation activities (looking north).

PHOTO 2: View of the oil/water/sand mixture found inside UST-9012(B) (looking north/northeast).
(Note: The tank appeared to have been abandoned in place by filling the interior with sand).

PHOTO 3: View of the removal of UST-9012(B) from the ground (looking south/southwest) (Note: the top of the tank had to be cut open in order to remove the oily sand mixture from the interior.)

PHOTO 4: View of the UST-9012(B) excavation just prior to sampling (looking north).

PHOTO 5: View of UST-9012(B) staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-44

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3137
	DPW. SELFM-PW-EV	**Date Rec'd:**	03-Nov-97
	Bldg. 173	**Analysis Start:**	04-Nov-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	05-Nov-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9012

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3137.01	9012(B)-OBS	1.00	15.79	90.19	165	ND
3137.02	9012(B)-B1	1.00	15.45	91.79	166	ND
3137.03	9012(B)-B2	1.00	15.03	91.31	171	ND
3137.04	9012(B)-B3	1.00	15.11	89.55	174	ND
3137.05	9012(B)-B4	1.00	15.36	82.65	185	ND
3137.06	9012(B)-VL	1.00	15.55	85.67	176	294.47
3137.07	9012(B)-RF	1.00	15.05	87.74	178	300.82
3137.08	9012(B)-N	1.00	15.36	87.95	174	2388.16
3137.09	9012(B)-S	1.00	15.03	87.95	178	ND
3137.10	9012(B)-E1	1.00	15.14	89.94	173	ND
3137.11	9012(B)-E2	1.00	15.50	90.70	167	ND
3137.12	9012(B)-W1	1.00	15.70	87.34	171	ND
3137.13	9012(B)-W2	1.00	15.07	90.21	173	ND
METHOD BLANK	4-Nov-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3153
	DPW. SELFM-PW-EV	**Date Rec'd:**	07-Nov-97
	Bldg. 173	**Analysis Start:**	10-Nov-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	11-Nov-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDGS. 9028, 9012

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3153.01	9028(C)-N2	1.00	15.27	90.05	171	ND
3153.02	9028(C)-N3	1.00	15.54	92.42	164	ND
3153.03	9012(B)-N2	1.00	15.17	92.82	167	ND
3153.04	9012(B)-N3	1.00	15.75	93.14	160	ND
METHOD BLANK	10-Nov-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE
UST NO. 90029-44

Reorder From:
The Drawing Board
P.O. Box 2644 • Hartford, CT 06104-2944
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. 010

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall NJ 07719
Route:	Vehicle Number:

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		For scrap only			
		1/3 4,000 Gallon U.S.T Shell			
		Clean			
		TANK # 90029-44			
		Building # 9012 B			

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

PREPAID CHARGES (Check box when paid. Check box when weight is checked)

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above - 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ Signature of Consignor

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans

PER David H. Daniels (Agent)

CARRIER SMC ENVIRONMENTAL SERVICES GROUP

PER Mark Amato

DATE 11/11/97

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN74 The Drawing Board, P.O. Box 2644, Hartford, CT 06104-2944
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1995 8:52PM FROM JMT ENVIRON. TECH. 610 789 6149 P.03

(2)

010

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9012 B

VESSEL: 1/3 of 4,000 - Gallon steel tank
(Formally # 2 Fuel Oil)

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 Oct 31, 1997, 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 / Site Manager
Print or Type Name Here

Reorder From:
The Drawing Board®
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. 011

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shatto Road	Street: Building
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall NJ 07719
Route:	Vehicle Number:

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		For scrap only			
		1/3 4,000 Gallon U.S.T Shell			
		Claim #			
		TANK # 90029-44			
		Building # 9012B			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

This is to certify that the above - 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ Signature of Consignor

FREIGHT CHARGES: PREPAID ☐ COLLECT ☐ Check box if charges are to be billed

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans

PER David H. Daniels (Agent)

CARRIER SMC ENVIRONMENTAL SERVICES GROUP

PER _____

DATE 10/1/97

*Mark with "X" in appropriate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder from BDL#174 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
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1995 8:52PM FROM JMT ENVIRON TECH 618 758 6149 MAY-03

11

011

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9012B

VESSEL: 1/3 of 4,000-Gallon Steel tank
(Formally # 2 Fuel Oil)

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 Oct 31, 1997, 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 / Site Manager
Print or Type Name Here

1995 8:52PM FROM JMT ENVIRON TECH 610 759 6149 P.03

Reorder From:
The Drawing Board
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9830

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 012

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall NJ 07719
Route:	Vehicle Number:

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		For Scrap Only			
		1/3 4,000 Gallon U.S.T Steel Clean II			
		TANK # 90029-44			
		Building # 9012B			

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above - 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

FREIGHT CHARGES
FREIGHT PREPAID (check box) ☐
Charges to be collected in addition to freight charges ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Daniels (Agent)

CARRI SMC ENVIRONMENTAL SERVICES GROUP
PER _____
DATE 11/11/99

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN174 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
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(12)

012

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9012B

VESSEL: 1/3 of 4,000-Gallon
(Formally # 2 Fuel Oil)

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 Oct 31, 1997, 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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-44

LORCO PETROLEUM SERVICES
RD1 Box 5A
Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

177941

SALES ORDER #

GENERATOR/LOCATION

NAME: Camp Evans Area
INFORMATION/ATTENTION LINE: CECOM-USArmy
DELIVERY ADDRESS: Gate 3 off Monmouth Ave
CITY: Wall
STATE: NJ
ZIP: Bldg 9083
PHONE NUMBER: 732-5326029
USA EPA ID NO. (IF APPLICABLE): NJ3210020324
ACCOUNT APPROVAL CODE:
PURCHASE ORDER NUMBER:
STATE ID NO.

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: SMC Environmental
INFORMATION/ATTENTION LINE:
ACCOUNT APPROVAL CODE: 1570T
DELIVERY ADDRESS:
CITY:
STATE:
ZIP:
PHONE NUMBER:
PURCHASE ORDER NUMBER: 16898 $42
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	TD72	740	gallons	740 gallons		
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		1	$60 ea	12.00 per		3 hrs
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 TD72.
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: Charles Appleby
Title: DPW
Signature:
Date: 10/31/97
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: N/A PPM

TOTAL

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: Anibal Vazquez
Signature:
Date: 10/31/97
LORCO REPRESENTATIVE

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. W.T.3.2.1.0.0.2.0.3.2.4 | Manifest Document No. 0.8.1.1.2 | 2. Page 1 of | NHZ 008112

3. Generator's Name and Mailing Address: U.S. Army Communications Electronics Command ATTN Camp Evans Area C/O James Shirghio, Bldg. 173 SELFM-PW-EV

4. Generator's Phone (908) 532-6223 fort mommouth NJ 07703

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
LIONETTI OIL RECOVERY CO INC	N. J. D. 0. 8. 4. 0. 4. 4. 0. 6. 4	908 721-0900
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
LIONETTI OIL RECOVERY CO INC DBA LORCO PETROLEUM SVCS RUNYON&CHEESEQUAKE RDS OLD BRIDGE, NJ 08857	N. J. D. 0. 8. 4. 0. 4. 4. 0. 6. 4	908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLEL LIQUID UN1270 PGIII	0 0 1	T T	YY7 40	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
T,L PETROLEUM OIL 10%
WATER 90%

E. Handling Codes for Wastes Listed Above
T04 FILTRATION

15. Special Handling Instructions and Additional Information
24 HR EMERGENCY RESPONSE#(908) 721-0900
DECAL#5705 ERG#128 DEXSIL TEST KIT RESULTS _____ 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	Signature	Month	Day	Year
Charles Appleby SELFM-PW-EV		10	13	97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Anibal Vazquez		10	13	97

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

ORIGINAL - RETURN TO GENERATOR

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Hazardous Waste Manifest No. 8112 dated 10-31-97, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

X721: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

1972 X722: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

X723: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

X724: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

X725: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

X726: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

X728. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: _____ PPM halogens.

I am duly authorized to sign said certification.

Generator US Army Communications Electronics Command camp Evans Area

Generator's EPA ID No. NJ3211020324

Address c/o Joe Fallon James Sbrighia Bldg. 173 fort monmouth NJ 07703

Print Name x Charles Appleby Signature x

Title x Envire Prot. Spec. SELFM-PW-EV

Date 10.31.97

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9014
Camp Evans Area

NJDEP UST Registration No. 90029-5

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Figure 2 Building 9014 - UST Removal and Soil Sampling Locations

APPENDICES

Appendix A Signed Site Assessment Summary
Appendix B Photographs of UST Closure
Appendix C Soil Sample Analytical Data Package
Appendix D UST Disposal Certificate
Appendix E Waste Manifest for Off-site Transport of UST Contents

EXECUTIVE SUMMARY

UST Closure

On October 27, 1997, a fiberglass underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-5 (Fort Monmouth Identification No. 9014), was located south of Building 9014 in the Camp Evans area of Fort Monmouth. The UST was a 1,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the center of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST and the only evidence of potentially contaminated soil was observed surrounding the UST fill port. Samples collected at the time the UST was removed contained non-detectable concentrations of total petroleum hydrocarbons (TPHC). The total amount of soil removed from the excavation was less than 1 cubic yard.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9014 area as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in remaining soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-5 at Building 9014.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-5, was closed at Building 9014 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on October 27, 1997. The UST was a fiberglass 1,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-5 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that no historical discharges are associated with UST No. 90029-5.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9014 is located in the main section of the Camp Evans area of the Fort Monmouth Army Base (adjacent to Monmouth Boulevard) as shown in Figure 1. UST No. 90029-5 was located south of Building 9014 and associated piping ran approximately 8 feet north from the UST to Building 9014. The UST fill port area was located directly above the center of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9014.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank with a circular saw and the remaining contents of the tank were removed with the drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged on polyethylene sheeting, and examined for holes. No holes were observed by the Tetra Tech site manager and the SMC subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. The only evidence of potential contamination was observed in soil located adjacent to the fill port of the UST. Visual and PID/FID soil screening was also performed along piping associated with the UST. No contamination was noted anywhere along the piping length.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was broken up and staged in a rolloff container from Marpal Disposal Company, in Tinton Falls, New Jersey for later pickup and disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate.

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID/FID air monitoring results, only a small amount of soil adjacent to the UST fill port (less than 1 cubic yard) was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean native soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: David H. Daniels
  Employer: SMC Environmental Services Group
  Telephone No.: (215) 788-7844
  NJDEP Certification No.: 0010279

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID/FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST and associated piping, as well as the UST excavation sidewalls and bottom, did not exhibit evidence of contamination.

2.2 SOIL SAMPLING

On October 28, 1997, after the UST removal, post-excavation soil samples 9014E, 9014S1, 9014S2 (Duplicate of 9014S1), 9014DS, 9014W, 9014N, 9014VL1, and 9014RF1 were collected from seven locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the concrete pad beneath the former UST location from 6.5 to 7-feet below ground surface (bgs). No bottom samples could be collected because of the concrete pad. Sample 9014DS was collected from 8.5 to 9-feet bgs directly beneath the location of samples 9014S1 and 9014S2. Sample 9014RF1 was collected from next to Building 9014 along the former return/feed line piping length of the excavation, which was approximately 8 feet long. Sample 9014RF1 was collected from 3.5 to 4-feet. In addition, sample 9014VL was collected from 2.5 to 3-feet bgs beneath the former location of the vent line. Samples 9014OBS1, 9014OBS2, and 9014OBS3 were collected from the overburden soil piles to verify that the piles were not contaminated and could be used as clean backfill for the excavation. All samples were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from seven locations on October 28, 1997. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 1,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 10,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

The post-excavation soil samples collected on October 28, 1997 from the UST excavation contained non-detectable concentrations of TPHC.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9014 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, do not exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-5 at Building 9014.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9014, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9014E	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014S1	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014S2	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014DS	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014W	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014N	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014VL1	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014OBS1	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014OBS2	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014OBS3	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9014RF1	10/28/97	10/29/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

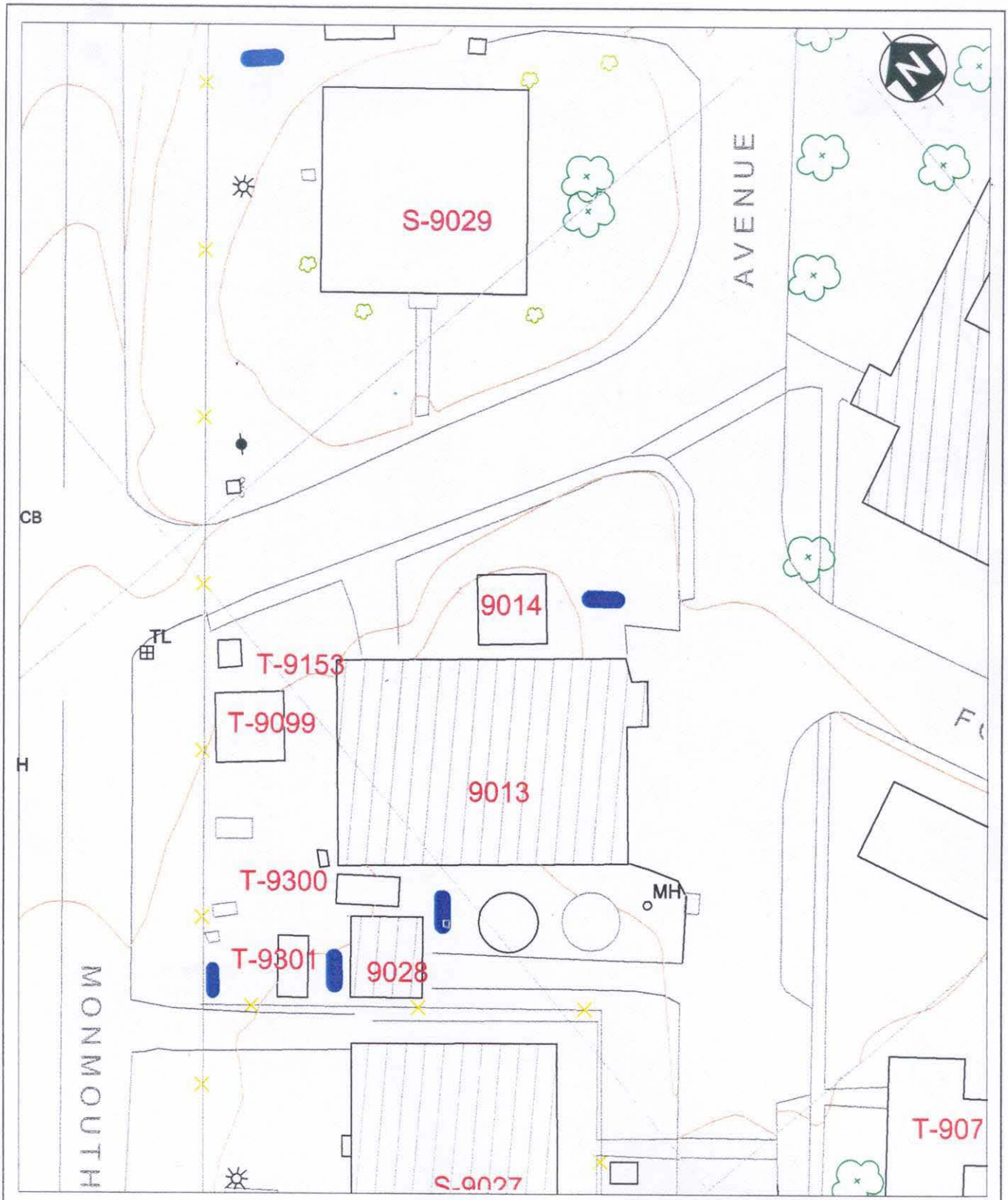
* TPHC Total petroleum hydrocarbons

Table 2
Post-Excavation Soil Sampling Results
Building 9014, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9014E	3113.01	10/28/97	10/29/97	TPHC	162	ND	10,000	No
9014S1	3113.02	10/28/97	10/29/97	TPHC	168	ND	10,000	No
9014S2	3113.03	10/28/97	10/29/97	TPHC	163	ND	10,000	No
9014DS	3113.04	10/28/97	10/29/97	TPHC	160	ND	10,000	No
9014W	3113.05	10/28/97	10/29/97	TPHC	162	ND	10,000	No
9014N	3113.06	10/28/97	10/29/97	TPHC	170	ND	10,000	No
9014VL1	3113.07	10/28/97	10/29/97	TPHC	180	ND	10,000	No
9014OBS1	3113.08	10/28/97	10/29/97	TPHC	179	ND	10,000	No
9014OBS2	3113.09	10/28/97	10/29/97	TPHC	167	ND	10,000	No
9014OBS3	3113.10	10/28/97	10/29/97	TPHC	168	ND	10,000	No
9014RF1	3113.11	10/28/97	10/29/97	TPHC	177	ND	10,000	No

Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons



UNDERGROUND STORAGE TANK

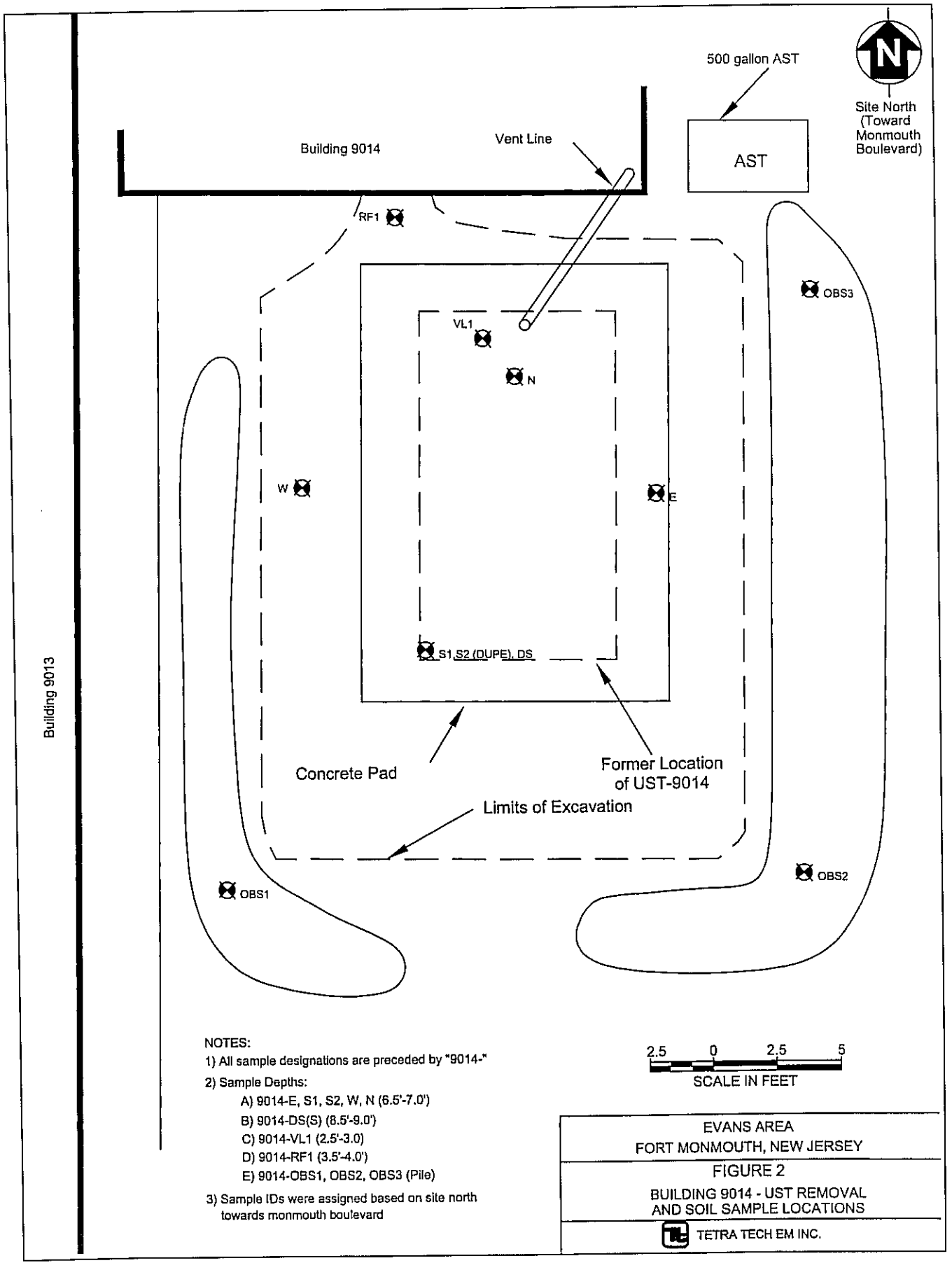
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9014 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9014.DWG jhd 01/19/99



NOTES:

1) All sample designations are preceded by "9014-"

2) Sample Depths:
   - A) 9014-E, S1, S2, W, N (6.5'-7.0')
   - B) 9014-DS(S) (8.5'-9.0')
   - C) 9014-VL1 (2.5'-3.0)
   - D) 9014-RF1 (3.5'-4.0')
   - E) 9014-OBS1, OBS2, OBS3 (Pile)

3) Sample IDs were assigned based on site north towards monmouth boulevard

2.5 0 2.5 5

SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2

BUILDING 9014 - UST REMOVAL
AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-5

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 05
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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:

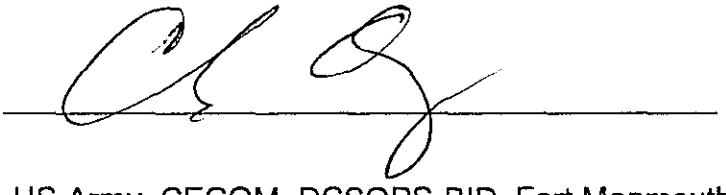
1. For a Corporation by a person authorized by a resolution of the board of directors to sign the document. A copy of the resolution, certified as a true copy by the secretary of the corporation, shall be submitted along with the certification; or
2. For a partnership or sole proprietorship, by a general 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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: 

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-5

PHOTO 1: Partial view of the UST-9014 excavation after tank removal and sampling (looking north).

PHOTO 2: View of the UST-9014 excavation after tank removal and sampling (looking south).

PHOTO 3: View of UST-9014 (on the left) staged on the west side of Building 9061 awaiting the arrival of a rolloff container in order to be crushed prior to final disposal off site. The UST is labeled with all of the required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-5

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3113
	DPW. SELFM-PW-EV	**Date Rec'd:**	28-Oct-97
	Bldg. 173	**Analysis Start:**	29-Oct-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	29-Oct-97

Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9014

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3113.01	9014-E	1.00	15.35	94.57	162	ND
3113.02	9014-S1	1.00	15.20	92.06	168	ND
3113.03	9014-S2	1.00	15.59	92.56	163	ND
3113.04	9014-DS	1.00	15.69	93.42	160	ND
3113.05	9014-W	1.00	15.37	94.12	162	ND
3113.06	9014-N	1.00	15.13	91.20	170	ND
3113.07	9014-VL1	1.00	15.19	85.89	180	ND
3113.08	9014-OBS1	1.00	15.14	86.77	179	ND
3113.09	9014-OBS2	1.00	15.35	91.70	167	ND
3113.10	9014-OBS3	1.00	15.59	89.79	168	ND
3113.11	9014-RF1	1.00	15.24	86.94	177	ND
METHOD BLANK	29-Sep-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE
UST NO. 90029-5

Reorder From
The Drawing Board
PO Box 2844 • Hartford CT 06104-2844
800 527-9190 • Local (203) 659-0440

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 017

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

From (Shipper) Marpal Disposal Company	From (Shipper) U.S. Army Camp Evans
Street 1861 Wayside Road	Street Building 9014
Destination Tinton Falls, NJ 07724	Origin Wall NJ 07719
State	State

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		Crushed in Roll OFF			
		1-1,000 Gallon U.S.T.			
		Camp Evans			
		Building # 9014			
		TANK # 90029-5			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ per

This is to certify that the above 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.
Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Daniels (Agent)

CARRI Marpal Disposal Co
PER Scott Meyer
DATE 1-28-98

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN74 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
©EGL 1992, Printed in U.S.A.

FROM JMT ENVIRON TECH 618 758 6749 1995 8:50AM

17

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9014

VESSEL: 1,000 - Gallon Fiberglass UST
(Formally # 2 Fuel Oil)

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 10/27/97, 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.~~ landfill. **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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-5

LORCO PETROLEUM SERVICES
P.O. Box 5A
Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

180363

SALES ORDER #

GENERATOR/LOCATION

NAME: USARMY Environmental Boards Okaz DIV
INFORMATION/ATTENTION LINE: Camp Edwards Area
ACCOUNT APPROVAL CODE:
DELIVERY ADDRESS: SJ Falon Bldg 173 Attn: SELFM-PW-EV
CITY: Fort Monmouth STATE: NJ ZIP: 07703
PHONE NUMBER: (908) 532-6223
PURCHASE ORDER NUMBER:
USA EPA ID NO. (IF APPLICABLE): NJ3210020324
STATE ID NO.:

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: SAIC Environmental Services
INFORMATION/ATTENTION LINE:
ACCOUNT APPROVAL CODE:
DELIVERY ADDRESS: 501 Allendale Road
CITY: King of Prussia STATE: PA ZIP: 19406
PHONE NUMBER: (610) 265-2702
PURCHASE ORDER NUMBER: 16818
MANIFEST NUMBER: NH2007082

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		525 gallons				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
0800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		1 9 AM to 12:00				
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						

P.O. 16898

SMALL QUANTITY TOTAL

Unknown 550-gallon UST near 9028.

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 Non-Haz
In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Charles Appleby
Print Name — Title

Signature — Date: 10-21-97

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.

Dan MacKay
Print Name

Signature — Date: 10-21-97

LORCO REPRESENTATIVE

ORIGINAL

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9019
Camp Evans Area

NJDEP UST Registration No. 90029-7

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Appendix C Soil Sample Analytical Data Package
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EXECUTIVE SUMMARY

UST Closure

On November 25, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-7 (Fort Monmouth Identification No. 9019), was located south of Building 9019 in the Camp Evans area of Fort Monmouth. The UST was a 1,000-gallon No. 2 fuel oil tank. The UST fill port was located directly above the eastern end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST; however, evidence of potentially contaminated overburden soil had been found earlier when a series of Geoprobe borings had been performed to investigate the presence or absence of contamination prior to the installation of an aboveground storage tank (AST) at Building 9019 and evidence of potentially contaminated soil was observed beneath the tank. Samples collected at the time the UST was removed contained concentrations of total petroleum hydrocarbons (TPHC) ranging from non-detect to 8,496.39 milligrams per kilogram (mg/kg). After additional soil was excavated and removed, TPHC concentrations in the remaining soil ranged from non-detect to 389.36 mg/kg. The total amount of soil removed from the excavation was 90 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-7 at Building 9019.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-7, was closed at Building 9019 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on November 25, 1997. The UST was a steel 1,000-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-7 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that at least one significant historical discharge or overfill/spill are associated with UST No. 90029-7 or associated piping.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9019 is the located on Fifth Street in the main section of the Camp Evans area of the Fort Monmouth Army Base, as shown in Figure 1. UST No. 90029-7 was located south of Building 9019 and associated piping ran approximately 11 feet north from the UST to Building 9019. The UST fill port area was located directly above the eastern end of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9019.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged on polyethylene sheeting, and examined for holes. No holes or punctures were observed by the Tetra Tech site manager subsurface evaluator. Appendix B provides photographs of the tank. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. Evidence of potential contamination was observed or detected by the PID/FID in soil located beneath the tank. Visual and PID/FID soil screening was also performed along piping associated with the UST. No contamination was noted anywhere along the piping length.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figures 2 and 3 and discussed in Section 2.2. Based on PID/FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, the overburden soil and soil beneath the UST was contaminated. This soil was removed to the staging area for disposal off site at a later date and imported clean fill was used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID/FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from above and around the UST, as well as the UST excavation sidewalls and bottom, did exhibit evidence of contamination and was transported to the soil staging area; however, soil excavated from around the associated piping did not exhibit any indication of potential contamination.

2.2 SOIL SAMPLING

On November 26 and December 3, 1997, after UST removal, post-excavation soil samples 9019B1, 9019B2 (Duplicate of 9019B1), 9019B3, 9019E, 9019S, 9019N, 9019W, 9019RF1, and 9019RF2 were collected from eight locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from 0 to 6-inches beneath the former UST location, or 7 to 7.5-feet below ground surface (bgs). The sidewall samples were collected from 6.5 to 7-feet bgs. Sample 9019RF1 was collected (on December 3, 1997) from next to Building 9019 along the former return/feed line piping length of the excavation, which was approximately 11 feet long. Sample 9019RF1 was collected from 1.5 to 2-feet bgs. Sample 9019RF2 was collected (on December 3, 1997) from the edge of the main UST excavation along the former return/feed line piping length at a depth of 2 to 2.5-feet bgs. All samples were analyzed for TPHC and total solids.

Analytical results of the original post-excavation samples revealed 8,496.39 milligrams per kilogram (mg/kg) TPHC at the 9019B2 sample location, 5,688.55 mg/kg at the 9019B1 sample location, and 954.31 mg/kg at the 9019N sample location. These concentrations either exceed or are just below 1,000 mg/kg TPHC, which is the NJDEP's criterion for additional soil removal/remediation or for required VOC sampling. As a result, on December 9, 1997, Tetra Tech and SMC excavated additional soil and collected post-excavation soil samples 9019EL1, 9019B4, 9019B5 (Duplicate of 9019B4), 9019W2, 9019N2, 9019S2, and 9019E2 from a total of six sampling locations. Bottom samples were collected from 15 to 15.5-feet bgs. Sidewall samples were collected from 14.5 to 15-feet bgs. In addition, sample

9019EL1 was collected at a depth of 4.5 to 5-feet bgs from an area of suspected contamination located adjacent to an old electrical line in the northwest corner of the excavation which was visually stained and had a definite petroleum odor. All samples were analyzed for TPHC and total solids.

Analytical results of the original post-excavation remedial samples revealed 3,164.29 mg/kg TPHC at the 9019EL1 sample location. This concentration exceeds 1,000 mg/kg TPHC, which is the NJDEP criterion for additional soil removal/remediation or for required VOC sampling. Tetra Tech and SMC therefore excavated additional soil on December 18, 1997 between the original UST excavation and the south side of the Building 9019 furnace room and collected post-excavation soil samples 9019CNFRM1, 9019CNFRM2 (Duplicate of 9019CNFRM1), 9019CNFRM3, and 9019CNFRM4 from a total of three sampling locations. Samples 90190CNFRM1 and 9019CNFRM2 were collected from 6.5 to 7-feet bgs and samples 9019CNFRM3 and 9019CNFRM4 were collected from 6 to 6.5-feet bgs. All samples were analyzed for TPHC and total solids. Figure 3 presents the additional post-excavation sampling locations.

Analytical results of the previous round of post-excavation samples revealed 1,449.05 mg/kg TPHC at the 9019CNFRM 4 sample location. As a result, on January 12, 1998, Tetra Tech and SMC excavated additional soil from next to the southeast corner of the Building 9019 furnace room and collected post-excavation soil samples 9019CNFRM5, 9019CNFRM6, and 9019CNFRM7 (Duplicate of 9019CNFRM6) from a total of two sampling locations. Sample 9019CNFRM5 was collected from 8 to 8.5-feet bgs and samples 9019CNFRM6 and 9019CNFRM7 were collected from 6 to .65-feet bgs. All samples were analyzed for TPHC and total solids. Figure 3 presents the additional post-excavation sampling locations.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP"s Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from eight locations on November 26 and December 3, 1997, six locations on December 9, 1997, three locations on December 18, 1997, and two locations on January 12, 1998. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figures 2 and 3. The analytical data package is provided in Appendix C.

Several of the post-excavation soil samples collected on from the UST excavation and from below piping associated with the UST contained concentrations of TPHC ranging from 954.31 milligrams per to 8,496.39 mg/kg. After additional soil excavation, post-excavation samples of the remaining soil contained TPHC concentrations ranging from non-detect to 389.36 mg/kg.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9019 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, no longer exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-7 at Building 9019.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9019, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9019B1	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019B2	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019B4**	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019B5**	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019E2**	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019N2**	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019S2**	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019B3	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019E	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019S	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019N	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019W	11/26/97	11/28/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019RF1	12/3/97	12/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019RF2	12/3/97	12/4/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019EL1	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM1**	12/18/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM2**	12/18/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM3**	12/18/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019W2	12/9/97	12/10/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM4	12/18/97	12/22/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM5**	1/12/98	1/13/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM6**	1/12/98	1/13/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9019CNFRM7**	1/12/98	1/13/98	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

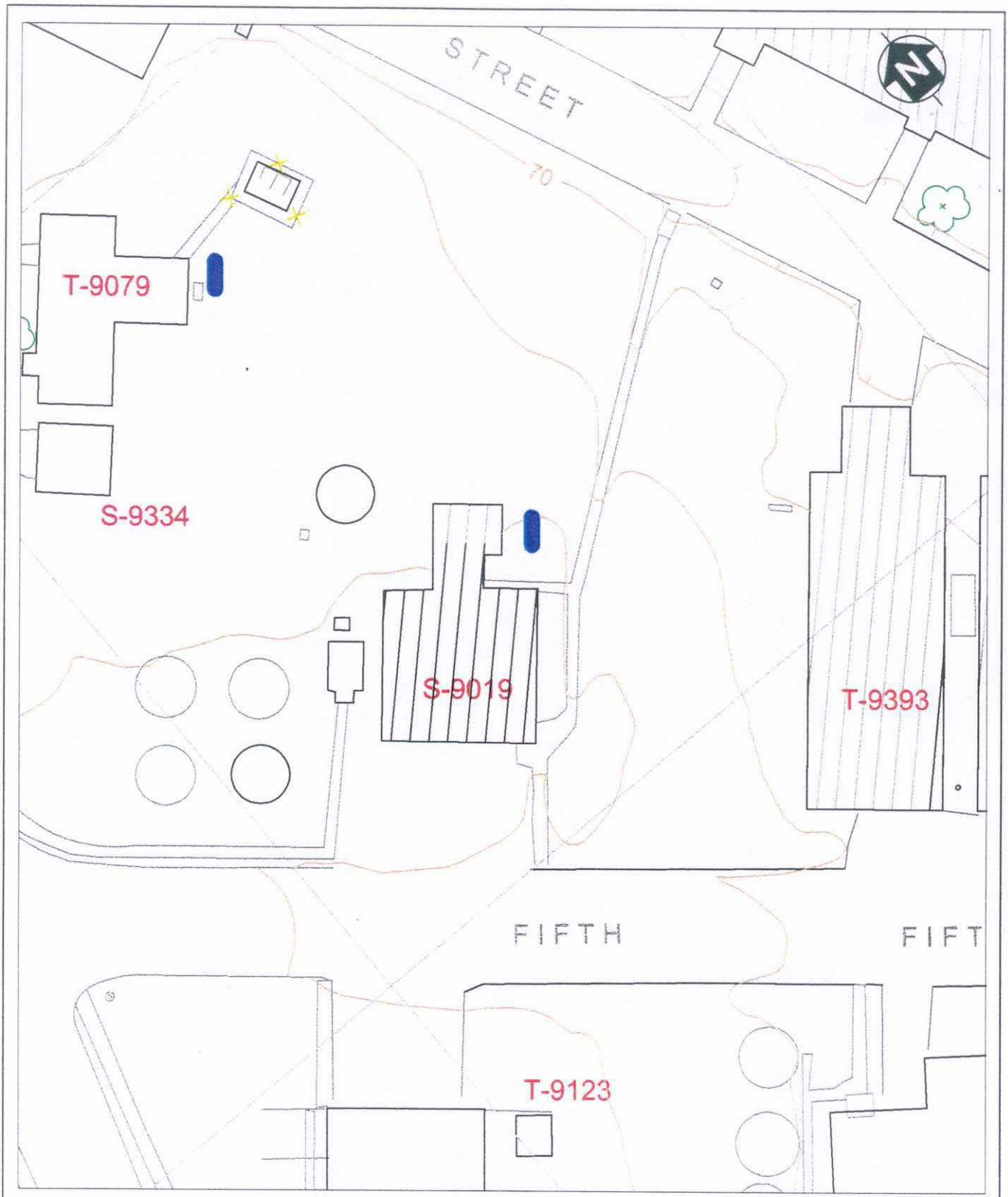
* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Summary of Post-Excavation Soil Sampling Results
Building 9019, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9019B1	3183.01	11/26/97	11/28/97	TPHC	169	5,688.55	10,000	No
9019B2	3183.02	11/26/97	11/28/97	TPHC	175	8,496.39	10,000	No
9019B4**	3206.02	12/9/97	12/10 - 11/97	TPHC	155	ND	10,000	No
9019B5**	3206.03	12/9/97	12/10 - 11/97	TPHC	162	ND	10,000	No
9019E2**	3206.04	12/9/97	12/10 - 11/97	TPHC	174	ND	10,000	No
9019N2**	3206.05	12/9/97	12/10 - 11/97	TPHC	180	ND	10,000	No
9019S2**	3206.06	12/9/97	12/10 - 11/97	TPHC	180	ND	10,000	No
9019B3	3183.03	11/26/97	11/28/97	TPHC	159	335.57	10,000	No
9019E	3183.04	11/26/97	11/28/97	TPHC	160	ND	10,000	No
9019S	3183.05	11/26/97	11/28/97	TPHC	174	ND	10,000	No
9019N	3183.06	11/26/97	11/28/97	TPHC	169	954.31	10,000	No
9019W	3183.07	11/26/97	11/28/97	TPHC	158	197.72	10,000	No
9019RF1	3194.11	12/3/97	12/4 - 5/97	TPHC	166	389.36	10,000	No
9019RF2	3194.12	12/3/97	12/4 - 5/97	TPHC	174	327.07	10,000	No
9019EL1	3206.01	12/9/97	12/10 - 11/97	TPHC	182	3,164.29	10,000	No
9019CNFRM1**	3248.11	12/18/97	12/22 - 23/97	TPHC	158	ND	10,000	No
9019CNFRM2**	3248.12	12/18/97	12/22 - 23/97	TPHC	171	ND	10,000	No
9019CNFRM3**	3248.13	12/18/97	12/22 - 23/97	TPHC	158	ND	10,000	No
9019W2	3206.07	12/9/97	12/10 - 11/97	TPHC	165	ND	10,000	No
9019CNFRM4	3248.14	12/18/97	12/22 - 23/97	TPHC	159	1,449.05	10,000	No
9019CNFRM5**	3278.01	1/12/98	1/13 - 14/98	TPHC	169	ND	10,000	No
9019CNFRM6**	3278.02	1/12/98	1/13 - 14/98	TPHC	168	ND	10,000	No
9019CNFRM7**	3278.03	1/12/98	1/13 - 14/98	TPHC	167	ND	10,000	No

Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.



UNDERGROUND STORAGE TANK

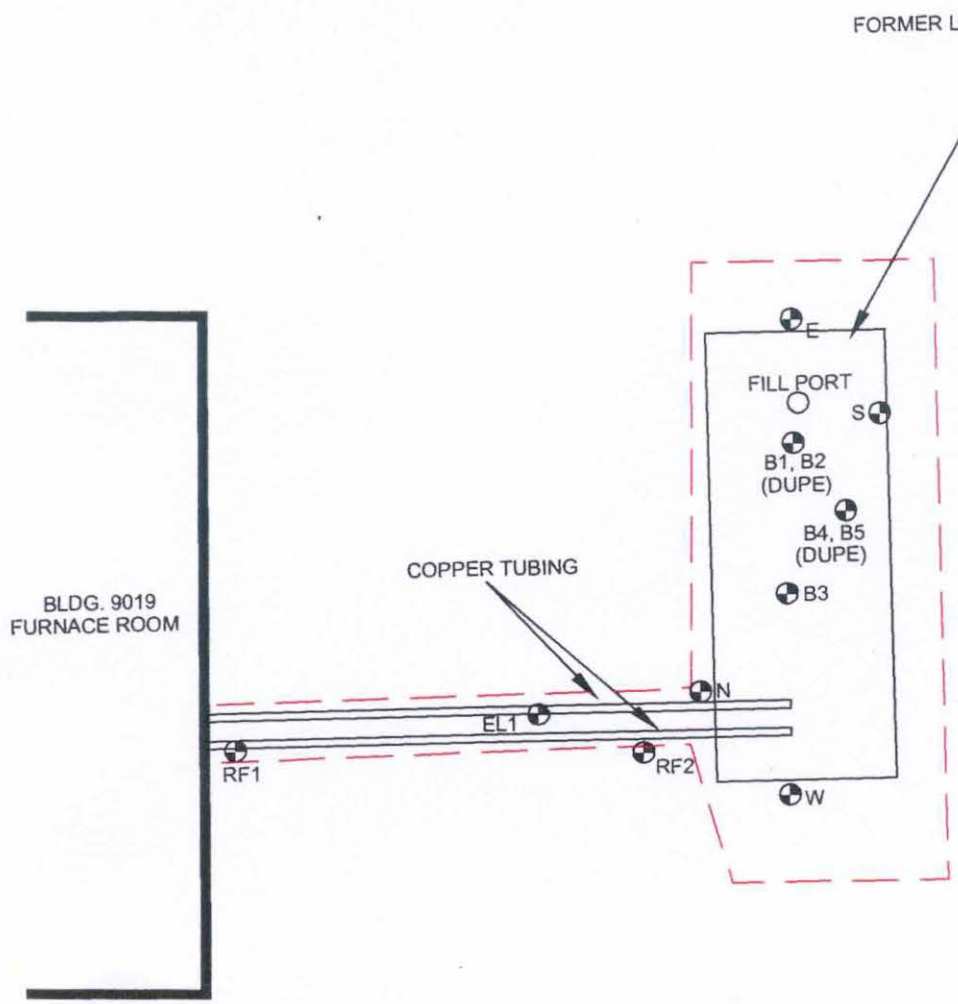
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9019 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9019.DWG ASC 01/19/99



NOTES:

A) All sample designations are preceded by "9019-"

B) Sample Depths:

1) B1, B2, B3: 7.0'-7.5'
2) N,S,E,W: 6.5'-7.0'
3) RF1: 1.5'-2.0'
4) RF2: 2.0'-2.5'

C) UST-9019 was 10' long and 4' wide.

D) Sample IDs were assigned based on site north towards Monmouth Boulevard

2 0 2 4

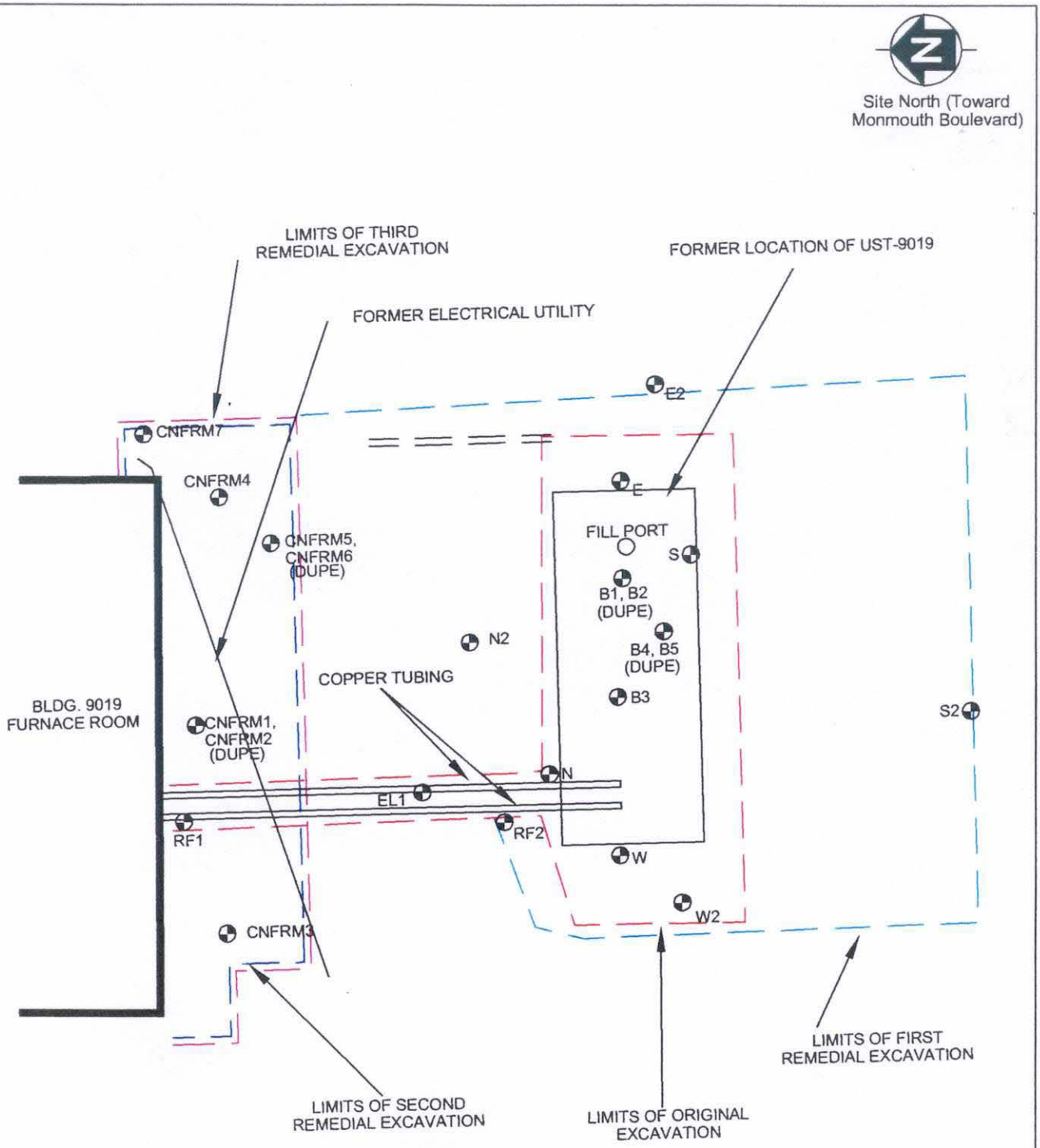
SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9019
UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

9019.DWG ASC 01/19/99



NOTES:

1) UST-9019 WAS 10' LONG AND 4' WIDE

1) SAMPLE IDS WERE ASSIGNED BASED ON SITE NORTH TOWARDS MONMOUTH BOULEVARD

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 3
BUILDING 9019 - UST REMEDIAL SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

9019.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM
UST NO. 90029-7

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 07
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-7

PHOTO 1: View of SMC personnel cutting open the top of UST-9019 (looking southeast).

PHOTO 2: View of UST-9019 being removed from the ground (looking east/southeast).

PHOTO 3: View of the sampling locations in the UST-9019 excavation (looking east).

PHOTO 4: Partial view of the first phase of the UST-9019 remedial excavation showing sampling locations (looking east).

PHOTO 5: View of the second phase of the UST-9019 remedial excavation showing sampling locations (looking east/northeast). Note the old electrical utility in the foreground and the staining visible on the side of the furnace room of Building 9019.

PHOTO 6: View of UST-9019 staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-7

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3183
	DPW. SELFM-PW-EV	**Date Rec'd:**	28-Nov-97
	Bldg. 173	**Analysis Start:**	28-Nov-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	28-Nov-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9019

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3183.01	9019-B1	1.00	15.77	88.09	169	5688.55
3183.02	9019-B2	1.00	15.21	88.22	175	8496.39
3183.03	9019-B3	1.00	15.60	94.71	159	335.57
3183.04	9019-E	1.00	15.66	93.58	160	ND
3183.05	9019-S	1.00	15.32	88.41	174	ND
3183.06	9019-N	1.00	15.33	90.77	169	954.31
3183.07	9019-W	1.00	15.68	94.75	158	197.72
METHOD BLANK	28-Nov-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3194
	DPW. SELFM-PW-EV	**Date Rec'd:**	03-Dec-97
	Bldg. 173	**Analysis Start:**	04-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	05-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDGS. 9028, 9019 9091

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3194.01	9028(A)-OBS1	1.00	15.39	86.90	176	ND
3194.02	9028(A)-OBS2	1.00	15.35	92.06	166	ND
3194.03	9028(A)-E1	1.00	15.39	91.66	167	ND
3194.04	9028(A)-E2	1.00	15.28	91.55	168	ND
3194.05	9028(A)-N	1.00	15.76	85.51	174	ND
3194.06	9028(A)-S	1.00	15.57	89.27	169	ND
3194.07	9028(A)-W	1.00	15.31	94.91	162	ND
3194.08	9028(A)-DS	1.00	15.55	96.48	157	ND
3194.09	9028(A)-OBS3	1.00	15.85	86.58	171	ND
3194.10	9028(A)-RF	1.00	15.45	87.27	174	ND
3194.11	9019-RF1	1.00	15.84	89.34	166	389.36
3194.12	9019-RF2	1.00	15.37	87.92	174	327.07
3194.13 9091	~~9019~~(A)-A1	1.00	15.07	87.13	179	902.43
3194.14 9091	~~9019~~(A)-A2	1.00	15.75	87.14	171	ND
3194.15 9091	~~9019~~(B)-B1	1.00	15.71	97.14	154	ND
3194.16 9091	~~9019~~(B)-B2	1.00	15.47	79.04	192	ND
3194.17 9091	~~9019~~(C)-C1	1.00	15.47	94.86	160	ND
3194.18 9091	~~9081~~(D)-D1	1.00	15.13	96.25	161	ND
METHOD BLANK	4-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3206
	DPW. SELFM-PW-EV	**Date Rec'd:**	10-Dec-97
	Bldg. 173	**Analysis Start:**	10-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	11-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDGS. 9019 9090, 9100

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3206.01	9019-EL1	1.00	15.31	84.44	182	3164.29
3206.02	9019-B4	1.00	15.39	98.60	155	ND
3206.03	9019-B5	1.00	15.09	96.02	162	ND
3206.04	9019-W2	1.00	15.19	88.84	174	ND
3206.05	9019-N2	1.00	15.51	84.04	180	ND
3206.06	9019-S2	1.00	15.24	85.59	180	ND
3206.07	9019-E2	1.00	15.14	93.86	165	ND
3206.08	9090-OBS1	1.00	15.04	88.17	177	244.42
3206.09	9090-OBS2	1.00	15.90	88.59	167	228.92
3206.10	9100-OBS1	1.00	15.07	93.93	166	ND
3206.11	9100-OBS2	1.00	15.75	90.31	165	ND
METHOD BLANK	10-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected
MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

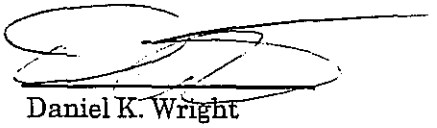
Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3248
	DPW. SELFM-PW-EV	**Date Rec'd:**	19-Dec-97
	Bldg. 173	**Analysis Start:**	22-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	23-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldg. 9079,9019

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3248.01	9079-B1	1.00	15.63	90.63	166	ND
3248.02	9079-B2	1.00	15.34	92.26	166	ND
3248.03	9079-DS	1.00	15.65	95.11	158	ND
3248.04	9079-E	1.00	15.39	89.49	171	ND
3248.05	9079-W	1.00	15.93	91.64	161	ND
3248.06	9079-N	1.00	15.24	82.22	188	ND
3248.07	9079-SCNT1	1.00	15.26	88.78	173	ND
3248.08	9079-S	1.00	15.49	88.19	172	ND
3248.09	9079-SCNT2	1.00	15.85	84.99	174	ND
3248.10	9079-R/F/VL	1.00	15.55	96.33	157	ND
3248.11 9019	~~9079~~-CNFRM1	1.00	15.44	96.34	158	ND
3248.12 9019	~~9079~~-CNFRM2	1.00	15.59	88.32	171	ND
3248.13 9019	~~9079~~-CNRM3	1.00	15.39	96.60	158	ND
3248.14 9019	~~9079~~-CNFRM4	1.00	15.40	96.06	159	1449.05
METHOD BLANK	22-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit



Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3278
	DPW. SELFM-PW-EV	**Date Rec'd:**	13-Jan-98
	Bldg. 173	**Analysis Start:**	13-Jan-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	14-Jan-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDGS. 9019, 9023

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3278.01	9019-CNFRM5	1.00	15.82	87.84	169	ND
3278.02	9019-CNFRM6	1.00	15.43	90.73	168	ND
3278.03	9019-CNFRM7	1.00	15.64	89.81	167	ND
3278.04	9023-VL2	1.00	15.14	95.06	163	ND
3278.05	9023-VL3	1.00	15.41	94.89	161	ND
3278.06	9023-VL4	1.00	15.66	91.37	164	ND
METHOD BLANK	13-Jan-98	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE

UST NO. 90029-7

Reorder From:
The Drawing Board
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN174

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 020

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To (Consignee) Mazza + Sons, INC	From (Shipper) U.S. Army Camp Evans
Street 3230 Shafto Road	Street Building 9019
Destination Tinton Falls, NJ ZIP Code 07753	Origin Wall NJ 07719
Route	Vehicle Number

No. Shipping Units	Pkgs	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		For Scrap Only			
		1-1,000 Gallon U.S.T Steel			
		Clean			
		Building # 9019			
		TANK # 90029-7			

PERMIT
C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above-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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall not sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

Freight Collect
Prepaid unless otherwise marked
Check box if applicable
☐ Collect ☐ Prepaid

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans
PER David H. Davis (Agent)

CARRIER SMC ENVIRONMENTAL SERVICES GROUP
PER _____
DATE 4/28/98

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder from BOLN174 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
©DBA, 1992, Printed in U.S.A.

FROM JMT ENVIRON TECH 618 759 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

20

CERTIFICATE OF NON-HAZARDOUS VESSEL

FACILITY: Camp Evans (U.S. Army)
Wall, NJ
Building # 9019

VESSEL: 1,000-Gallon Steel UST
(Formally # 2 Fuel Oil)

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 11/25/97, 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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-7

LORCO PETROLEUM SERVICES

RD1 Box 5A
Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

~~Effa~~ Example (Format)

STANDARD COLLECTION ORDER FORM

181973

SALES ORDER #

GENERATOR/LOCATION

NAME: U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND
INFORMATION/ATTENTION LINE: CAMP EVANS AREA
ACCOUNT APPROVAL CODE:
DELIVERY ADDRESS: C/O J. FALLON BLDG 173 ATTN: SELFM-PW-EV
CITY: FORT MONMOUTH STATE: NJ ZIP: 07703
PHONE NUMBER: (732) 532-6223
PURCHASE ORDER NUMBER:
USA EPA ID NO. (IF APPLICABLE): NJ3210026324
STATE ID NO.:

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: SMC Environmental Services
INFORMATION/ATTENTION LINE:
ACCOUNT APPROVAL CODE:
DELIVERY ADDRESS: 501 Allendale Road
CITY: King of Prussia STATE: PA ZIP: 19406
PHONE NUMBER: (610) 265-2000
PURCHASE ORDER NUMBER: 16898
MANIFEST NUMBER: NHZ008114

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	ID72	500 gallons				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
501	DRUM DISPOSAL						
504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		3 hours				
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 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.

Charles Appleby — SELFM-PW-EV
Print Name — Title

Signature — Date: 11-6-97

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

TOTAL: 550 gallon unknown UST at 9057

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.

DAN MacKay
Print Name

DMacKay — 11-6-97
Signature — Date

LORCO REPRESENTATIVE

LORCO PETROLEUM SERVICES

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ.3.2.1.0.0.2.0.3.2.4 | Manifest Document No. 68.1.1.4 | 2. Page 1 of 1 | NHZ 008114

3. Generator's Name and Mailing Address
U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND EVANS AREA
C/O JOSEPH FALLON BLDG. 173 ATTN: SELEM-PW-EV
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 0 8 4 0 4 4 0 6 4 | 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 0 8 4 0 4 4 0 6 4 | C. Facility's Phone: 908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLEL LIQUID UN1270 PGIII	0 0 1	T T	0.0.5.0.0	G
b.				
c.				
d.				

GENERATOR

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#87064 ERG#128 DEXSIL TEST KIT RESULTS <1000 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 SELFM-PW-EV | Signature | Month 11 Day 06 Year 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DAN MACKAY | Signature | Month 11 Day 06 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

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

ORIGINAL - RETURN TO GENERATOR

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Hazardous Waste Manifest No. NHZ0008114 dated 11-6-97, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

X721: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

ID 72
X722: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

X723: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

X724: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

X725: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

X726: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

X728. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: <1000 PPM halogens.

I am duly authorized to sign said certification.

Generator U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND CAMP EVANS AREA

Generator's EPA ID No. NJ3210020324

Address c/o JOSEPH FALCON BLDG 173 ATTN: SELFM-PW-EV FORT MONMOUTH, N.J. 07703

Print Name Charles Appleby Signature

Title Env. Pro. Spec. SELFM-PW-EV

Date 11-6-97

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9021
Camp Evans Area

NJDEP UST Registration No. 90029-8

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EXECUTIVE SUMMARY

UST Closure

On December 5, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-8 (Fort Monmouth Identification No. 9021), was located east of Building 9021 in the Camp Evans area of Fort Monmouth. The UST was a 550-gallon No. 2 fuel oil tank. The former UST fill port location was located directly above the center of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST and the only evidence of potentially contaminated soil was observed surrounding the UST fill port and the product lines (return/feed lines) between the tank and Building 9021. Samples collected at the time the UST was removed contained concentrations of total petroleum hydrocarbons (TPHC) ranging from non-detect to 508.78 milligrams per kilogram (mg/kg). The total amount of soil removed from the excavation was approximately 10 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9021 area as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in remaining soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criteria of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-8 at Building 9021.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-8, was closed at Building 9021 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on December 5, 1997. The UST was a steel 550-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-8 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that at least one historical discharge was associated with the product line piping of UST No. 90029-41.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9021 is located in the main section of the Camp Evans area of the Fort Monmouth Army Base (adjacent to Monmouth Boulevard) as shown in Figure 1. UST No. 90029-8 was located east of Building 9021 and associated piping ran approximately 12 feet west from the UST to Building 9021. The UST fill port area was located directly above the center of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9021.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and the associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with a drum vacuum device. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged temporarily on the asphalt driveway, and examined for holes. No holes or punctures were observed by the Tetra Tech subsurface evaluator. Appendix C provides photographs of the tank. Once the UST was removed, SMC excavated and removed the associated piping. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed or detected by the PID/FID except for soil located adjacent to the UST fill port. Visual and PID/FID soil screening was also performed along the piping associated with the UST. Contamination was noted along the former piping length between the former UST location and Building 9021.

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID/FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil located adjacent to the UST fill port and the product lines was contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP"s "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID/FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST, as well as the UST excavation sidewalls and bottom did not exhibit evidence of contamination; however, soil excavated from adjacent to the former UST fill port location and the product lines did exhibit indications of contamination and was transported to the soil staging area.

2.2 SOIL SAMPLING

On December 5, 1997, after the UST removal, post-excavation soil samples 9021B1, 9021B2 (Duplicate of 9021B1), 9021DS, 9021E, 9021N, 9021S, 9021W, and 9021R/F/VL were collected from seven locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from 0 to 6-inches beneath the former UST location, or 7 to 7.5-feet below ground surface (bgs). The sidewall samples were collected from 6.5 to 7-feet bgs. Sample 9021DS was collected beneath the 9021B1 and 9021B2 sample location from 8 to 8.5-feet bgs. Sample 9021R/F/VL was collected from next to Building 9021 along the former return/feed line piping length of the excavation, which was approximately 12 feet long. Sample 9021R/F/VL was collected from 2.5 to 3-feet bgs. Sample 9021OBS was collected from the overburden soil pile to verify that the pile was not contaminated and could be used as clean backfill for the excavation. In addition, samples 9021RFL1 and 9021RFL2 were collected along the remote fill line associated with the UST. Sample 9021RFL1 was collected adjacent to the fence bordering Monmouth Boulevard from 1.5 to 2-feet bgs. Sample 9021RFL2 was collected 15 feet south of the 9021RFL1 sample location from 2.5 to 3-feet bgs. All samples were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from seven locations on December 5, 1997. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

All of the post-excavation soil samples collected on December 5, 1997 from the UST excavation and from below the piping associated with the UST contained concentrations of TPHC ranging from non-detect to 508.78 milligrams per kilogram (mg/kg).

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9021 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 1,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, do not exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-8 at Building 9021.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9021, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9021OBS	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021R/F/VL	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021RFL1	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021RFL2	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021B1	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021B2	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021DS	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021E	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021N	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021S	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9021W	12/5/97	12/8/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

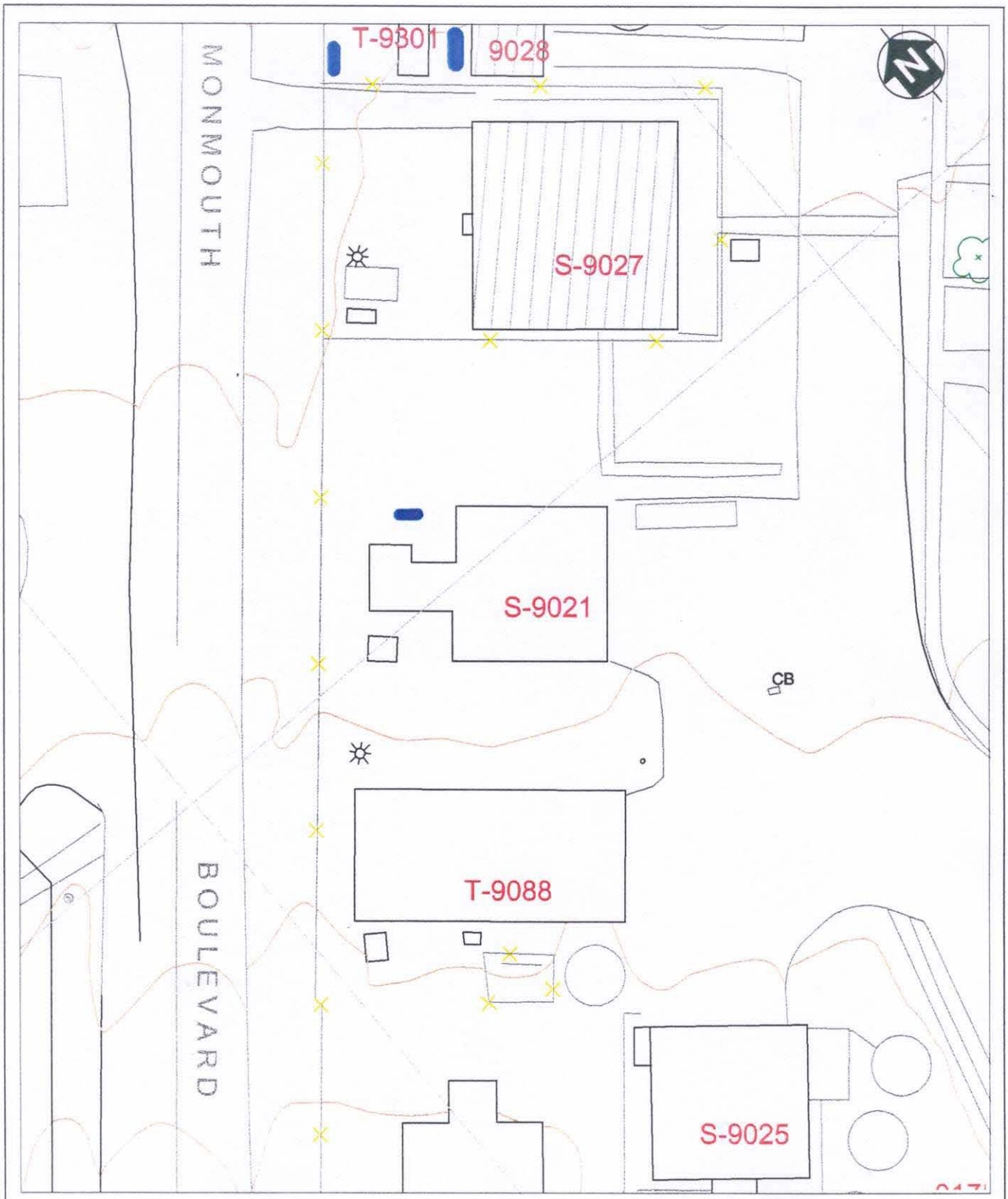
* TPHC Total petroleum hydrocarbons

Table 2
Post-Excavation Soil Sampling Results
Building 9021, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9021OBS	3200.01	12/5/97	12/8 - 9/97	TPHC	176	229.17	10,000	No
9021R/F/VL	3200.02	12/5/97	12/8 - 9/97	TPHC	173	508.78	10,000	No
9021RFL1	3200.03	12/5/97	12/8 - 9/97	TPHC	178	424.67	10,000	No
9021RFL2	3200.04	12/5/97	12/8 - 9/97	TPHC	175	ND	10,000	No
9021B1	3200.05	12/5/97	12/8 - 9/97	TPHC	182	ND	10,000	No
9021B2	3200.06	12/5/97	12/8 - 9/97	TPHC	181	ND	10,000	No
9021DS	3200.07	12/5/97	12/8 - 9/97	TPHC	174	ND	10,000	No
9021E	3200.08	12/5/97	12/8 - 9/97	TPHC	168	ND	10,000	No
9021N	3200.09	12/5/97	12/8 - 9/97	TPHC	174	ND	10,000	No
9021S	3200.10	12/5/97	12/8 - 9/97	TPHC	171	ND	10,000	No
9021W	3200.11	12/5/97	12/8 - 9/97	TPHC	172	ND	10,000	No

Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.
ND Not detected
TPHC Total petroleum hydrocarbons



UNDERGROUND STORAGE TANK

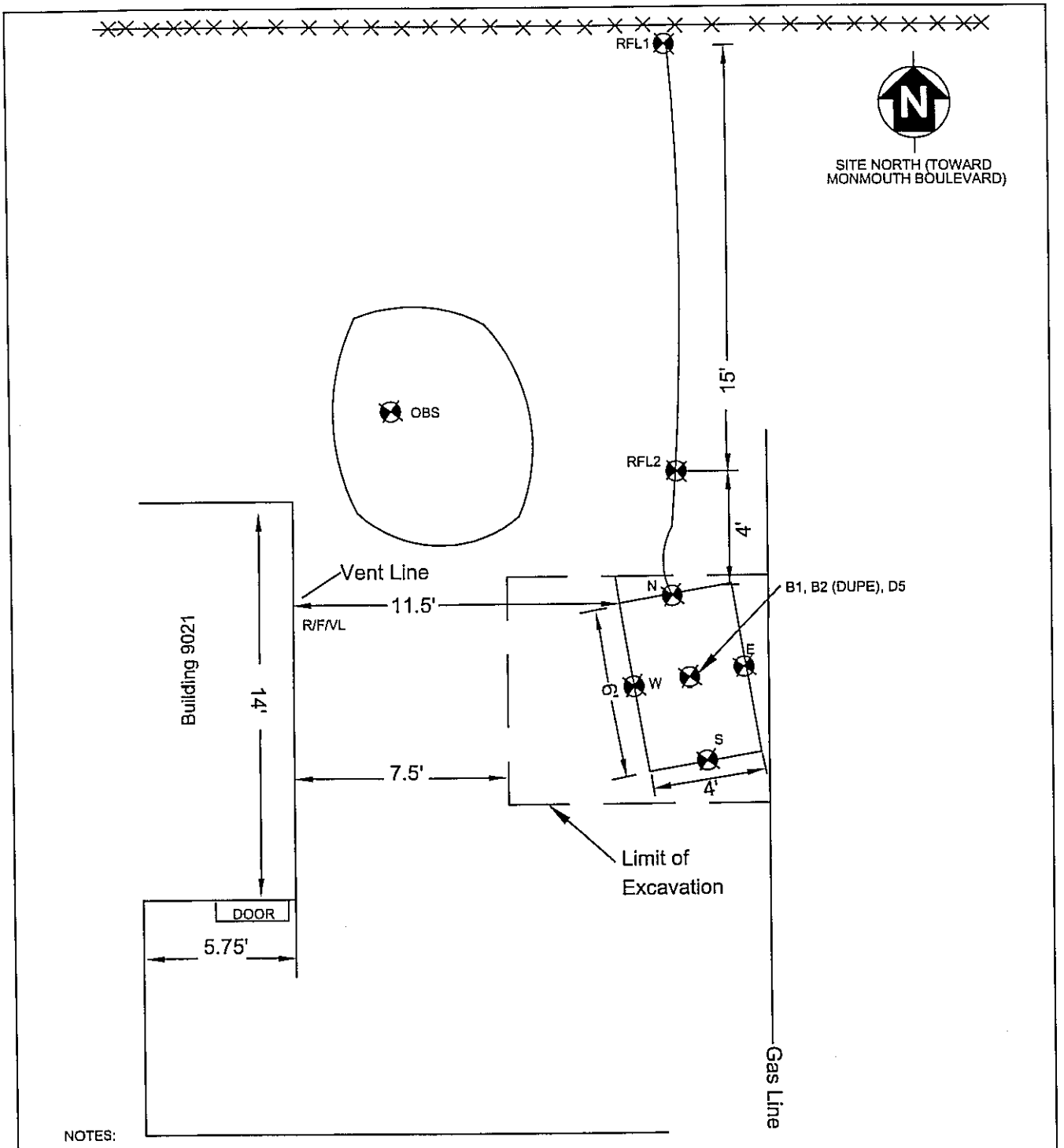
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9021 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9021.DWG jhd 01/19/99



NOTES:

A) All sample designations are preceded by "9021-"

B) Sample Depths:

1) B1 and B2: 7.0' to 7.5'
2) DS: 8.0' to 8.5'
3) N,S,E,W: 6.5' to 7.0'
4) RFL1: 1.5' to 2.0'
5) RFL2: 2.5' to 3.0'
6) R/F/VL: 2.5' to 3.0'
7) OBS: Pile

C) UST-9021 was 4' wide and 6' long

D) Sample IDs were assigned base on site north towards Monmouth Boulevard

2.5 0 2.5 5

SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9021 - UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-8

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 08
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-8

PHOTO 1: View of SMC personnel uncovering UST-9021 (looking northeast).

PHOTO 2: View of UST-9021 being removed from the ground (looking east/northeast).

PHOTO 3: View of the sampling locations in the UST-9021 excavation (looking northeast).

PHOTO 4: View of UST-9021 staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE

UST NO. 90029-8

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3200
	DPW. SELFM-PW-EV	**Date Rec'd:**	05-Dec-97
	Bldg. 173	**Analysis Start:**	08-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	09-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9021

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3200.01	9021-OBS	1.00	15.55	85.71	176	229.17
3200.02	9021-R/F/VL	1.00	15.62	87.06	173	508.78
3200.03	9021-RFL1	1.00	15.39	85.91	178	424.67
3200.04	9021-RFL2	1.00	15.53	86.53	175	ND
3200.05	9021-B1	1.00	15.04	85.98	182	ND
3200.06	9021-B2	1.00	15.08	86.11	181	ND
3200.07	9021-DS	1.00	15.42	87.56	174	ND
3200.08	9021-E	1.00	15.42	90.90	168	ND
3200.09	9021-N	1.00	15.51	86.83	174	ND
3200.10	9021-S	1.00	15.53	88.54	171	ND
3200.11	9021-W	1.00	15.71	86.75	172	ND
METHOD BLANK	8-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE

UST NO. 90029-8

1995 8:52PM FROM JMT ENVIRON TECH 610 759 6149 P.3

Reorder From:
The Drawing Board
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9630

REORDER ITEM # BLN174

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 022

Carrier No. _____

Date _____

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

Ship to Consignee: Mazza + Sons, INC	From Shipper: U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building 9021
Destination: Tinton Falls, NJ 07753	Origin: Wall NJ 07719
State	Vehicle Number

No. Shipping Units	Pkgs	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		For Scrap Only			
		1 - 550 Gallon U.S.T Steel			
		Cylinder			
		Building # 9021			
		TANK # 90029-8			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required by state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

This is to certify that the above 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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

Shipper Endorsement: Check box if shipper wishes this bill of lading to be surrendered without having to be produced. ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans	CARRIER SMC ENVIRONMENTAL SERVICES GROUP
PER Daniel H. Daniels (Agent)	PER Jim Kaplan
	DATE 1/19/98

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item BOLF174 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
©EGL 1992, Printed in U.S.A.

SMC Environmental Services Group
A Subsidiary of Science Management Corporation
P.O. Box 859
Valley Forge, Pennsylvania 19482
Telephone (610) 265-2700

22

CERTIFICATE OF NON-HAZARDOUS VESSEL

FACILITY: Camp Evans (U.S. Army)
Wall, NJ
Building # 9021

VESSEL: 550-Gallon Steel UST
(Formally # 2 Fuel Oil)

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 12/5/97, 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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-8

LORCO PETROLEUM SERVICES

Old Bridge, N.J. 08857
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

181260

SALES ORDER #

GENERATOR/LOCATION

E AMD CUTS Allen
INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS
WALL NJ
CITY STATE ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

USA EPA ID NO. (IF APPLICABLE)

STATE ID NO.
NA

BILL TO (IF DIFFERENT FROM LOCATION)

NAME
SMG Environmental Services
INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS
501 Allendale Road
CITY STATE ZIP
King of Prussia PA 19406
PHONE NUMBER
(610) 265-2700

PURCHASE ORDER NUMBER
16898

MANIFEST NUMBER
9779

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		X600				
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL				600 gallons		
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
1504	TANK ENTRY						
800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR		7AM –	1030 AM	3.5 hours		
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			Pumped out Drums & Tank				

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

DINKER M. DESAI
Print Name Title

Signature Date

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

<1000 PPM

TOTAL

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.

JOHN SALVATO
Print Name

Signature 12/31/97 Date

LORCO REPRESENTATIVE

ORIGINAL

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A | Manifest Document No. 009779 | 2. Page 1 of 1 | NHZ 009779

Generator's Name and Mailing Address: USArmy Communications Electronics Command
Camp Evans Area C/O J. Fallon Bldg 173
ATTN: SEIFM-PW-EV
Ft Monmouth, NJ 07703

4. Generator's Phone (732) 427-4371

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
LIONETTI OIL RECOVERY CC INC	NJD084044064	908 721-0900
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
LIONETTI OIL RECOVERY CC INC DBA LORCO PETROLEUM SVCS RUNYON&CHEESEQUAKE RDS OLD BRIDGE, NJ 08857	NJD084044064	908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLEL LIQUID UN1270 PGIII	00	1T	TX600	G
b.				
c.				
d.				

GENERATOR

D. Additional Descriptions for Materials Listed Above
T,L PETROLEUM OIL 90 %
WATER 10 %

E. Handling Codes for Wastes Listed Above
T04 FILTRATION

15. Special Handling Instructions and Additional Information
24 HR EMERGENCY RESPONSE#(908) 721-0900
DECAL# 8708 ERG#128 DEXSIL TEST KIT RESULTS (L) 1000 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	Signature	Month	Day	Year
X JANICE M. DESAI	X	12	31	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOHN SAIVATORE		12	31	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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

ORIGINAL - RETURN TO GENERATOR

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Hazardous Waste Manifest No. 9779 dated 12 31 97, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

X721: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

X722: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

X723: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

X724: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

X725: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

X726: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

X728. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: _____ PPM halogens.

I am duly authorized to sign said certification.

Generator US ARMY COMMUNICATIONS ELECTRONICS COMMAND CAMP GUINS AFRT

Generator's EPA ID No. NJ3210020324

Address C/O JOSEPH FALON BLDG 11 AND SAKO AVE FORT MONMOUTH NJ 07703

Print Name DINKAL M. DESAI Signature D. M. D

Title ENVIRONMENTAL ENGINEER

Date 11/6/97

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9023
Camp Evans Area

NJDEP UST Registration No. 90029-9

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APPENDICES

Appendix A Signed Site Assessment Summary
Appendix B Photographs of UST Closure
Appendix C Soil Sample Analytical Data Package
Appendix D UST Disposal Certificate
Appendix E Waste Manifest for Off-site Transport of UST Contents

EXECUTIVE SUMMARY

UST Closure

On December 29, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-9 (Fort Monmouth Identification No. 9023), was located north of Building 9023 in the Camp Evans area of Fort Monmouth. The UST was a 550-gallon No. 2 fuel oil tank. The UST fill port was located directly above the center of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST and the only evidence of potentially contaminated soil was observed adjacent to the UST fill port, adjacent to the vent pipe, and in the overburden soil. Samples collected at the time the UST was removed contained total petroleum hydrocarbons (TPHC) concentrations ranging from non-detect to 754.10 milligrams per kilogram (mg/kg). The total amount of soil removed from the excavation was 15 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-9 at Building 9023.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-9, was closed at Building 9023 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on December 29, 1997. The UST was a steel 550-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-9 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that no significant historical discharges are associated with UST No. 90029-9 or associated piping.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9023 is located in the main section of the Camp Evans area of the Fort Monmouth Army Base (adjacent to Fifth Street, Sixth Street, and Avenue "A"), as shown in Figure 1. UST No. 90029-9 was located north of Building 9023 and associated piping ran approximately 10 feet south from the UST to Building 9023. The UST fill port area was located directly above the center of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9023.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC discovered that the UST was sheathed in a layer of fiberglass. As a result, SMC removed the tank from the ground prior to opening and cleaning the tank. After the UST was removed from the excavation, SMC cut open the tank with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was transported to the UST staging area (located adjacent to the west side of Building 9061), staged on polyethylene sheeting, and examined for holes. No holes or punctures were observed by the Tetra Tech subsurface evaluator. Appendix B provides photographs of the tank. After the UST was removed, SMC excavated and removed the associated piping. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed or detected by the PID/FID except for soil located adjacent to the UST fill port, soil located adjacent to the vent pipe, and the overburden soil. Visual and PID/FID soil screening was also performed along piping associated with the UST. No contamination was noted anywhere along the piping length

The sludges and tank residues removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate.

Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID/FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil adjacent to the UST fill port, the vent pipe, and the overburden soil was moderately contaminated. This soil was removed to the staging area for disposal off site at a later date and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID/FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST and associated piping, as well as the UST excavation sidewalls and bottom, did not exhibit evidence of contamination; however, soil located adjacent to the UST fill port, the vent pipe, and the overburden soil did exhibit indications of contamination and was removed to the soil staging area.

2.2 SOIL SAMPLING

On December 29, 1997, after UST removal, post-excavation soil samples 9023B1, 9023B2 (Duplicate of 9023B1), 9023E, 9023W, 9023N, 9023S, 9023VL, 9023DS, and 9023R/F were collected from eight locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from 0 to 6-inches beneath the former UST location, or 6 to 6.5-feet below ground surface (bgs). The sidewall samples were collected from 5.5 to 6-feet bgs. Sample 9023DS was collected beneath the 9023B1 and 9023B2 sample location from 7 to 7.5-feet bgs. Sample 9023R/F was collected from next to Building 9023 along the former return/feed line piping length of the excavation, which was approximately 10 feet long. Sample 9023R/F was collected from 2 to 2.5-feet bgs. In addition, sample 9023VL was collected beneath the former location of the UST vent line from 1 to 1.5-feet bgs. All samples were analyzed for TPHC and total solids.

Analytical results for the original post-excavation samples revealed 754.10 milligrams per kilogram (mg/kg) TPHC at the 9023VL sample location. This concentration, while below the 1,000 mg/kg TPHC which is the NJDEP criterion for additional soil removal/remediation or for required VOC sampling, was above the 500 mg/kg TPHC limit that Fort Monmouth requested that Tetra Tech use as a cleanup criteria.

As a result, on January 12, 1998, Tetra Tech and SMC excavated additional soil from the vent line excavation and collected post-excavation soil samples 9023 VL2, 9023VL3 (Duplicate of 9023VL2), and 9023VL4 from a total of two sampling locations. All samples were collected from 4.5 to 5-feet bgs. All samples were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from seven locations on December 29, 1997 and two locations on January 12, 1998. All samples were analyzed for TPHC. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

All of the post-excavation soil samples collected on December 29, 1997, from the UST excavation and from below piping associated with the UST contained concentrations of TPHC ranging from non-detect to 754.10 mg/kg. In addition, all of the post-excavation soil samples collected on January 12, 1998 from the vent line excavation contained non-detectable concentrations of TPHC.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9023 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, do not exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-9 at Building 9023.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9023, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9023B1	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023B2	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023E	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023W	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023N	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023S	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023VL	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023VL2**	1/12/98	1/13/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023VL3**	1/12/98	1/13/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023VL4**	1/12/98	1/13/98	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023DS	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9023R/F	12/29/97	12/30/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons
** Samples collected to remediate contamination found in sample above.

Table 2
Post-Excavation Soil Sampling Results
Building 9023, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9023B1	3256.01	12/29/97	12/30/97	TPHC	172	ND	10,000	No
9023B2	3256.02	12/29/97	12/30/97	TPHC	169	ND	10,000	No
9023E	3256.03	12/29/97	12/30/97	TPHC	171	258.45	10,000	No
9023W	3256.04	12/29/97	12/30/97	TPHC	171	ND	10,000	No
9023N	3256.05	12/29/97	12/30/97	TPHC	169	ND	10,000	No
9023S	3256.06	12/29/97	12/30/97	TPHC	169	ND	10,000	No
9023VL	3256.07	12/29/97	12/30/97	TPHC	163	754.10	10,000	No
9023VL2**	3278.04	1/12/98	1/13 - 14/98	TPHC	163	ND	10,000	No
9023VL3**	3278.05	1/12/98	1/13 - 14/98	TPHC	161	ND	10,000	No
9023VL4**	3278.06	1/12/98	1/13 - 14/98	TPHC	164	ND	10,000	No
9023DS	3256.08	12/29/97	12/30/97	TPHC	167	ND	10,000	No
9023R/F	3256.09	12/29/97	12/30/97	TPHC	176	252.55	10,000	No

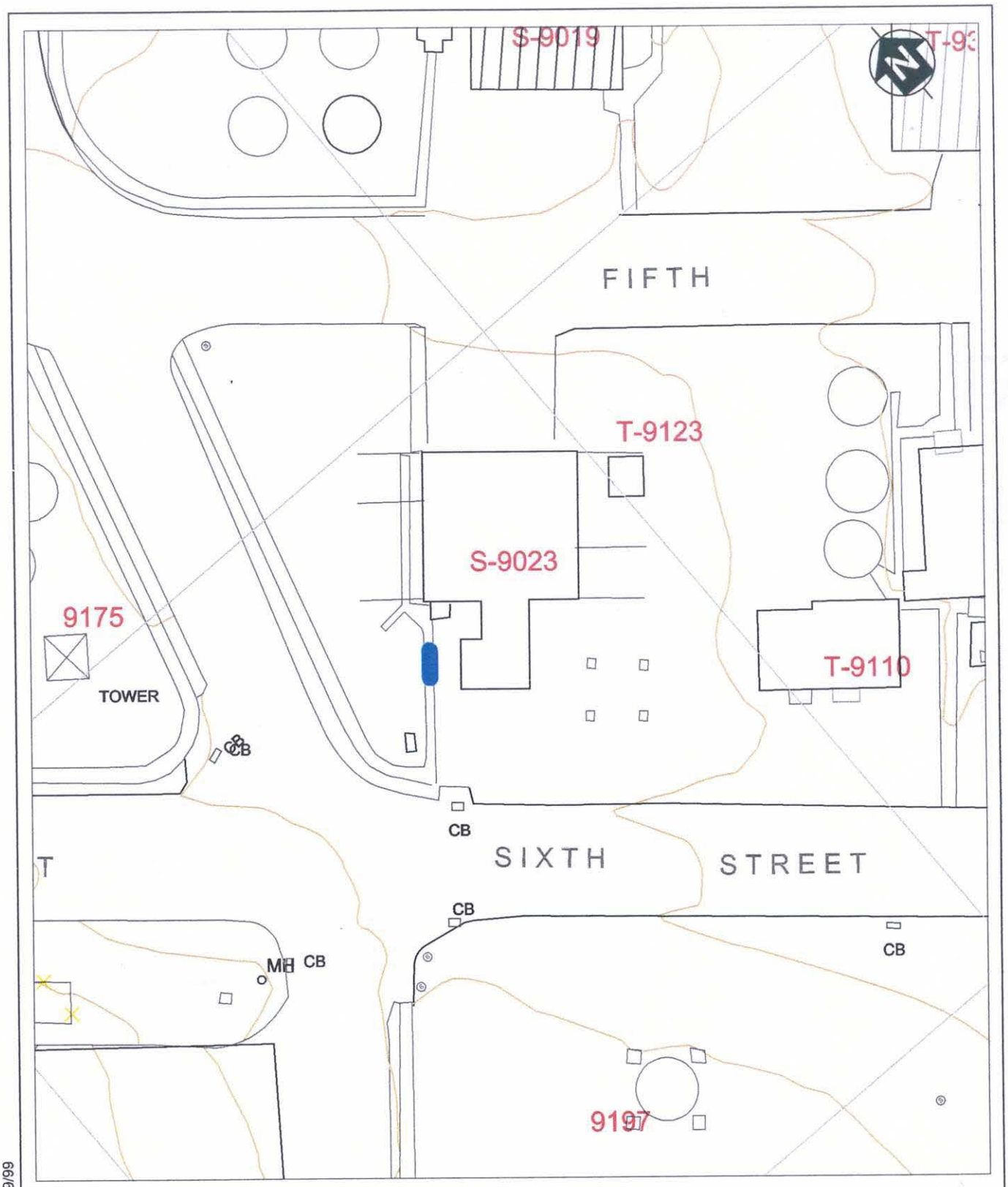
Note:

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria; however, Fort Monmouth requested (early in the project) that Tetra Tech use a limit of 500 ppm as a soil cleanup criteria.

ND Not detected

TPHC Total petroleum hydrocarbons

** Samples collected to remediate contamination found in sample above.



UNDERGROUND STORAGE TANK

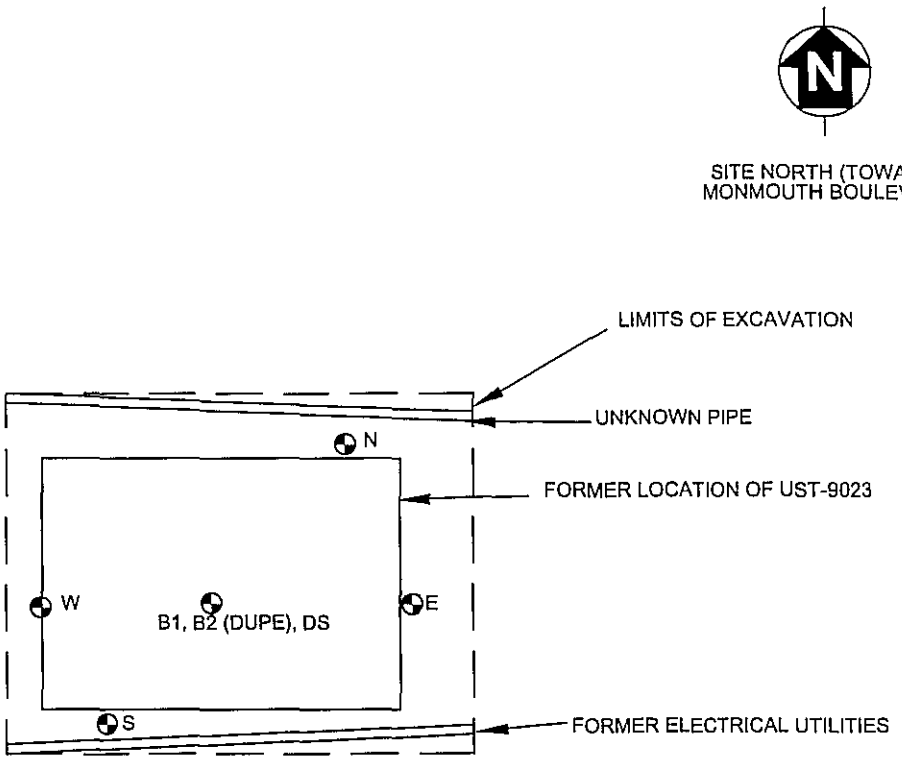
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9023 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9023.DWG ASC 01/19/99



NOTES:

1) UST-9023 WAS 6' LONG AND 4' IN DIAMETER.
2) ALL SAMPLE DESIGNATIONS ARE PRECEDED BY "9023-"
3) SAMPLE DEPTHS:
   - A) B1 AND B2 : 6.0' TO 6.5'
   - B) DS : 7.0' TO 7.5'
   - C) W, S, N, AND E : 5.5' TO 6.0'
   - D) VL: 1.0' TO 1.5.'
   - E) R/F : 2.0' TO 2.5'
   - F) VL2, VL3, VL4 : 4.5' TO 5.0'
4) ORIGINAL R/F AND VL EXCAVATION WAS DUG ON 12/29/97; REMEDIAL EXCAVATION WAS DUG ON 1/12/98
5) SAMPLE IDS WERE ASSIGNED BASED ON SITE NORTH TOWARD MONMOUTH BOULEVARD

1.5 0 1.5 3
SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9023
UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

9023.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM

UST NO. 90029-9

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 09
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-9

PHOTO 1: View of UST-9023 being uncovered prior to removed from the ground (looking northeast).

PHOTO 2: View of UST-9023 being removed from the ground (looking northeast).

PHOTO 3: View of sampling locations in the UST-9023 excavation (looking east).

PHOTO 4: View of UST-9023 staged on the west side of Building 9061 awaiting disposal and labeled with all required information.

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-9

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3256
	DPW. SELFM-PW-EV	**Date Rec'd:**	30-Dec-97
	Bldg. 173	**Analysis Start:**	30-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	30-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDG. 9023

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3256.01	9023-B1	1.00	15.05	90.92	172	ND
3256.02	9023-B2	1.00	15.54	89.27	169	ND
3256.03	9023-E	1.00	15.75	87.04	171	258.45
3256.04	9023-W	1.00	15.06	91.33	171	ND
3256.05	9023-N	1.00	15.45	89.80	169	ND
3256.06	9023-S	1.00	15.10	92.09	169	ND
3256.07	9023-VL	1.00	15.73	91.52	163	754.10
3256.08	9023-DS	1.00	15.64	90.09	167	ND
3256.09	9023-R/F	1.00	15.30	87.06	176	252.55
METHOD BLANK	30-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3278
	DPW. SELFM-PW-EV	**Date Rec'd:**	13-Jan-98
	Bldg. 173	**Analysis Start:**	13-Jan-98
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	14-Jan-98
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D.DEINHARDT	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	BLDGS. 9019, 9023

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3278.01	9019-CNFRM5	1.00	15.82	87.84	169	ND
3278.02	9019-CNFRM6	1.00	15.43	90.73	168	ND
3278.03	9019-CNFRM7	1.00	15.64	89.81	167	ND
3278.04	9023-VL2	1.00	15.14	95.06	163	ND
3278.05	9023-VL3	1.00	15.41	94.89	161	ND
3278.06	9023-VL4	1.00	15.66	91.37	164	ND
METHOD BLANK	13-Jan-98	1.00	15.00	100.00	157	ND

ND = Not Detected
MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE
UST NO. 90029-9

Reorder From:
The Drawing Board
P.O. Box 2844 • Hartford, CT 06104-2844
Call Toll Free: 1-800-527-9430

REORDER ITEM # BLN174

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 028

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

To Consignee: Mazza + Sons, INC	From (Shipper): U.S. Army Camp Evans
Street: 3230 Shafto Road	Street: Building 9023
Destination: Tinton Falls, NJ Zip Code 07753	Origin: Wall NJ 07719
State	Vehicle Number

No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		For Scrap Only 1 - 550 Gallon U.S.T Steel Tank #1 Building # 9023 TANK # 90029-9			

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above-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.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
(The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.)
_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans

PER David H. Daniels (Agent)

CARRIER SMC ENVIRONMENTAL SERVICES GROUP

PER _____

DATE 1/19/94

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN174 The Drawing Board, P.O. Box 2844, Hartford, CT 06104-2844
©EGI, 1992, Printed in U.S.A.

1995 8:50PM FROM JMT ENVIRON TECH 610 789 6149 P.03

28

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: Camp Evans (U.S. Army)
Wall, NJ
Building # 9023

VESSEL: 550 - Gallon Steel UST
(Formally # 2 Fuel Oil)

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 12/29/97, 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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-9

LORCO PETROLEUM SERVICES

Old Bridge, NJ 08857
732-721-5910
FAX (732) 721-0281

STANDARD COLLECTION ORDER

GENERATOR/LOCATION

INFORMATION/ATTENTION LINE | ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY | STATE | ZIP

PHONE NUMBER | PURCHASE ORDER NUMBER

USA EPA ID NO. (IF APPLICABLE) | STATE ID NO.

BILL TO (IF DIFFERENT FROM GENERATOR)

INFORMATION/ATTENTION LINE | ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY | STATE

PHONE NUMBER | PURCHASE ORDER NUMBER

MANIFEST NUMBER

SHIPPING INFORMATION

(This is to certify that the above 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	D001	600	GAL			
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
504	TANK ENTRY						
800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR	(Cleaning Vacuum)					
41511	NEW 55 GAL DRUM W/LID						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT						
41509	TRANSPORTATION						

(Pumpout 3 DRUMS 2 OIL 1 BOTTOMS 500-600 GALS)

SMALL QUANTITY GENERATOR CERTIFICATION

(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

SUBTOTAL

TAX

TOTAL

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 D001

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

Signature | Date

GENERATOR/CUSTOMER

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 fixed brine treatment activities.

Print Name

Signature | Date

LORCO REPRESENTATIVE

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ3210020324 | Manifest Document No. 09548 | 2. Page 1 of 1 | NHZ 009548

3. Generator's Name and Mailing Address US Army Communications Electronics Command
Camp Evans Area, Ft. Monmouth, N.J., 07703

4. Generator's Phone ( )

5. Transporter 1 Company Name LIONETTI OIL RECOVERY CO INC | 6. US EPA ID Number NJD084044064 | 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 NJD084044064 | C. Facility's Phone 908 721-0900

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL(PETROLEUM OIL) COMBUSTIBLEL LIQUID UN1270 PGIII	001	T	TXX600	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
T,L PETROLEUM OIL 98%
WATER 2%

E. Handling Codes for Wastes Listed Above
T04 FILTRATION

15. Special Handling Instructions and Additional Information
24 HR EMERGENCY RESPONSE#(908) 721-0900
DECAL# 8708 ERG#128 DEXSIL TEST KIT RESULTS N/A 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 Apsley SELF-EMPLOYED | Signature | Month 10 Day 12 Year 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name DON TAGLIENOT | Signature | Month 10 Day 12 Year 88

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'S COPY

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Non Hazardous Waste Manifest No. 09548 dated 1-28-98, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

L-21: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

L-22: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

L-23: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

L-24: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

L-25: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

L-26: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

L-28. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: N/A PPM halogens.

I am duly authorized to sign said certification.

Generator U.S. Army Communications Electronics Command

Generator's EPA ID No. NJ3210020324

Address Camp Evans Area, Ft. Monmouth, N.J., 07703

Print Name Charles Appleby Signature

Title Env Prot. Spec. SELFM-PW-EV

Date 1-28-98

United States Army
Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

Building 9025
Camp Evans Area

NJDEP UST Registration No. 90029-10

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Table 1 Summary of Post-Excavation Sampling Activities
Table 2 Post-Excavation Soil Sampling Results

FIGURES

Figure 1 Building 9025 - UST Removal Location Map
Figure 2 Building 9025 - UST Removal and Soil Sample Locations

APPENDICES

Appendix A Signed Site Assessment Summary
Appendix B Photographs of UST Closure
Appendix C Soil Sample Analytical Data Package
Appendix D UST Disposal Certificate
Appendix E Waste Manifest for Off-site Transport of UST Contents

EXECUTIVE SUMMARY

UST Closure

On December 12, 1997, a steel underground storage tank (UST) was closed by removal at the Camp Evans area of the U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey. The UST, New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-10 (Fort Monmouth Identification No. 9025), was located north of Building 9025 in the Camp Evans area of Fort Monmouth. The UST was a 550-gallon No. 2 fuel oil tank. The UST fill port was located directly above the eastern end of the tank.

Site Assessment

The site assessment was performed by Tetra Tech EM Inc. (Tetra Tech) and SMC Environmental Services Group (SMC). No holes were noted in the UST and the only evidence of potentially contaminated soil was observed adjacent to the UST fill port and in the overburden soil. Samples collected at the time the UST was removed contained total petroleum hydrocarbons (TPHC) concentrations ranging from non-detect to 198.33 milligrams per kilogram (mg/kg). The total amount of soil removed from the excavation was 20 cubic yards.

Site Restoration

After receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with clean native soil from the Building 9025 area, as well as clean soil imported from the New Jersey Sand and Gravel Company. The excavation site was then restored to its original condition.

Conclusions and Recommendations

Based on post-excavation soil sampling results, TPHC concentrations in soil do not exceed the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth, at the former location of the UST or associated piping. No further action is proposed with regard to the closure and site assessment of UST No. 90029-10 at Building 9025.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

One underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 90029-10, was closed at Building 9025 at the Camp Evans area of U.S. Army Fort Monmouth, Fort Monmouth, Wall Township, New Jersey on December 12, 1997. The UST was a steel 550-gallon tank containing No. 2 fuel oil.

The UST removal was performed in accordance with the Fort Monmouth UST Management Plan (S.O.P. Number 19), which had previously been approved by the NJDEP. The signed site assessment summary form for UST No. 90029-10 is included in Appendix A.

Based on an inspection of the UST, field screening of subsurface soil, and soil sample analytical results, Tetra Tech has concluded that no significant historical discharges are associated with UST No. 90029-10 or associated piping.

This report was prepared based on information collected at the time of UST closure. Section 1 of this UST closure and site investigation report provides a site description and summarizes UST removal activities. Section 2 describes site investigation activities, including field screening and soil sampling. Section 3 presents the post-excavation soil sampling results. Conclusions and recommendations are presented in Section 4 of this report.

1.1 SITE DESCRIPTION

Building 9025 is located in the main section of the Camp Evans area of the Fort Monmouth Army Base (adjacent to the northeast corner of Avenue "A" and Sixth Street), as shown in Figure 1. UST No. 90029-10 was located north of Building 9025 and associated piping ran approximately 6 feet south from the UST to Building 9025. The UST fill port area was located directly above the eastern end of the tank. A site map is provided in Figure 1 showing the location of the UST removal relative to Building 9025.

1.2 UNDERGROUND STORAGE TANK EXCAVATION AND CLEANING

Prior to UST decommissioning activities, surficial soil was excavated to expose the UST and associated piping. All free product present in the piping was purged with compressed air into the UST. The UST was not purged prior to the removal of the piping because of the low volatility of No. 2 fuel oil. After the removal of associated piping, soil excavation continued to uncover the UST. Once the UST was uncovered, SMC cut open the tank with a nonsparking pneumatic cutter and the remaining contents of the tank were removed with drum vacuum equipment. SMC completed cleaning the UST by wiping the interior out with oil absorbent pads.

After the UST was cleaned, it was removed from the excavation, staged on polyethylene sheeting, and examined for holes. No holes or punctures were observed by the Tetra Tech subsurface evaluator. Appendix B provides photographs of the tank. After the UST was removed, SMC excavated and removed the associated piping. Soil around the UST was screened visually and with a photoionization detector (PID) and flame ionization detector (FID) for contamination. No evidence of contamination was observed or detected by the PID/FID except for soil located adjacent to the UST fill port and the overburden soil. Visual and PID/FID soil screening was also performed along piping associated with the UST. No contamination was noted anywhere along the piping length.

The sludge and tank residue removed from the UST were transported by Lorco Petroleum Company to its NJDEP-approved petroleum recycling and disposal facility in Old Bridge, New Jersey. Appendix E provides a copy of the waste manifest for the off-site transport of the tank contents.

1.3 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

The cleaned tank was transported to Mazza and Sons, Inc. in Tinton Falls, New Jersey for disposal in compliance with all applicable regulations and laws. Appendix D provides a copy of the UST Disposal Certificate. Prior to transport, the UST was labeled with the following information:

- Site of origin
- Contact person
- NJDEP UST facility identification number
- Name of transporter and contact person
- Destination site and contact person

1.4 MANAGEMENT OF EXCAVATED SOILS

Post-excavation soil sampling locations are shown in Figure 2 and discussed in Section 2.2. Based on PID/FID air monitoring results and total petroleum hydrocarbon (TPHC) results from post-excavation soil samples, soil adjacent to the UST fill port and the overburden soil was moderately contaminated. This soil was removed to the staging area for disposal off site at a later date and the clean excavated soil and imported clean fill were used to backfill the UST excavation.

2.0 SITE INVESTIGATION ACTIVITIES

In accordance with NJDEP's "Technical Requirements for Site Remediation" and "Field Sampling Procedures Manual," Tetra Tech and SMC personnel conducted the site assessment. The site investigation was managed by Tetra Tech and performed by SMC. All analyses were performed and results reported by the U.S. Army Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory operated by TECOM-Vinnell Services, Inc. (TVS). All sampling was performed under the direct supervision of a NJDEP certified subsurface evaluator in accordance with methods described in NJDEP's "Field Sampling Procedures Manual" dated 1992. Sampling frequency and parameters analyzed complied with applicable regulations at the date of UST closure specified in NJDEP-BUST's document "Interim Closure Requirements for Underground Storage Tank Systems" dated October 1990; revisions dated November 1, 1991. All records of site investigation activities are maintained by Tetra Tech and the Fort Monmouth Department of Public Works (DPW) Environmental Office.

The following parties participated in UST closure and site investigation activities:

- Subsurface Evaluator: Kevin J. Phelan
  Employer: Tetra Tech EM Inc.
  Telephone No.: (973) 983-0507
  NJDEP Certification No.: 0018436

- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
  Contact Person: Daniel K. Wright
  Telephone No.: (732) 532-4359
  NJDEP Company Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Company
  Contact Person: Dan MacKay
  Telephone No.: (732) 721-0900
  NJDEP Hazardous Waste Hauler No.: S6247

2.1 FIELD SCREENING/MONITORING

Visual screening and field screening using a PID/FID were performed by a NJDEP certified subsurface evaluator to identify potentially contaminated material. Soil excavated from around the UST and associated piping, as well as the UST excavation sidewalls and bottom, did not exhibit evidence of contamination; however, soil located adjacent to the UST fill port and the overburden soil did exhibit indications of contamination and was removed to the soil staging area.

2.2 SOIL SAMPLING

On December 12, 1997, after UST removal, post-excavation soil samples 9025B1, 9025B2 (Duplicate of 9025B1), 9025DS, 9025W, 9025S, 9025N, 9025E, and 9025R/F/VL were collected from seven locations in the UST excavation. Figure 2 presents the sampling locations. Excavation sidewall samples were collected at the edge of the former UST location, and bottom samples were collected from 0 to 6-inches beneath the former UST location, or 7 to 7.5-feet below ground surface (bgs). The sidewall samples were collected from 6.5 to 7-feet bgs. Sample 9025DS was collected beneath the 9025B1 and 9025B2 sample location from 8.5 to 9-feet bgs. Sample 9025R/F/VL was collected from next to Building 9025 along the former return/feed line piping length of the excavation, which was approximately 6 feet long. Sample 9025R/F/VL was collected from 1.5 to 2-feet bgs. Sample 9025OBS1 was collected from the overburden soil pile to verify that the pile was not contaminated and could be used as clean backfill for the excavation. In addition, samples 9025RFL1 and 9025RFL2 were collected along the former remote fill line which was located between the UST and Sixth Street. Sample 9025RFL1 was collected from 1.5 to 2-feet bgs and sample 9025RFL2 was collected from 2.5 to 3-feet bgs. All samples were analyzed for TPHC and total solids.

Post-excavation soil samples were collected in accordance with standard sampling procedures specified in NJDEP's Field Sampling Procedures Manual" dated 1992. Samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory in Fort Monmouth, New Jersey, for analysis. A summary of post-excavation sampling activities, including parameters analyzed for, is provided in Table 1.

3.0 SOIL SAMPLING RESULTS

To evaluate soil conditions after removal of the UST and associated piping, post-excavation soil samples were collected from seven locations on December 12, 1997. All samples were analyzed for TPHC and total solids. Post-excavation sampling results were compared to the NJDEP residential direct contact soil cleanup criterion of 10,000 mg/kg for total organic contaminants (N.J.A.C. 7:26D and revisions dated February 3, 1994) and the more stringent soil cleanup criterion of 1,000 mg/kg TPHC used by Fort Monmouth. A summary of the analytical results and comparison to the NJDEP soil cleanup criterion is provided in Table 2. Soil sampling locations are shown in Figure 2. The analytical data package is provided in Appendix C.

All of the post-excavation soil samples collected on December 12, 1997, from the UST excavation and from below piping associated with the UST contained concentrations of TPHC ranging from non-detect to 198.33 mg/kg.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results for all post-excavation soil samples for soil remaining in the UST excavation at Building 9025 were below the NJDEP soil cleanup criterion for required VOC analysis.

Based on post-excavation sampling results, soil containing TPHC concentrations exceeding the NJDEP soil cleanup criterion for total organic contaminants of 10,000 mg/kg, or the more stringent Fort Monmouth soil cleanup criterion of 1,000 mg/kg TPHC, do not exist in the former location of the UST or associated piping; therefore, no further action is proposed with regard to the closure and site assessment of UST No. 90029-10 at Building 9025.

Legend of Sample Identifications
Camp Evans Area
Wall Township, New Jersey

B	Sample from the bottom of the excavation
W	Samples from the west sidewall of the excavation
E	Samples from the east sidewall of the excavation
N	Samples from the north sidewall of the excavation
S	Samples from the south sidewall of the excavation
RF	Sample from beneath the former location of the return/feed lines of the UST
VL	Sample from beneath the former location of the vent line to the UST
OBS	Sample from the overburden soil pile of a UST excavation to determine if the soil can be used as backfill or must be transported to the contaminated soil stockpile
N21	Sample collected from the north sidewall on the second day of sampling (from a particular UST excavation) first sample (from that particular sidewall or area of the excavation) (NOTE: The "21" designation can be used with any of the letter combinations listed above).
FPS	Soil located directly adjacent to the fill port of the tank ("Fill Port Soil").
BFP	Soil located beneath the fill port of the tank ("Beneath Fill Port")
9116CSP	Contaminated soil pile from the UST-9116 excavation
DS	Deep Sample
9196BE1A	Geoprobe boring performed on the east side of the UST-9196 excavation to investigate contamination from the leaking UST. Last number denotes the boring number and last letter indicates which sample in the sequence.
RFL/B6	Sample from remedial excavation of a leaking remote fill line/what area of the excavation the sample was collected.
RF(CT)	Samples was collected from return feed lines consisting of copper tubing.
RFL(2)	Samples collected from a second remote fill line for a particular UST excavation
RB1	Remedial excavation for a particular building. The second letter and number designate the particular area of the excavation where the sample was collected
CNFRM	Confirmatory sample to confirm that contamination has been removed
CNFM	Another designation for a confirmatory sample
R/F/VL	Return/feed/vent lines. Used at buildings where the return/feed lines and the vent lines were located close together and one sample could be collected for both lines
SCNT1	Sample collected at a location of suspected contamination
(W)E1	Sample collected from the eastern sidewall of the western half of the excavation (remedial excavation).
TP	Test pit/trench
HWAB	Hazardous waste area building (former location)
AST	Above ground storage tank
9105ASTB1	Sample collected at the former location of an AST at the specified building
DEL	Delineation sample to document the extent of contamination
SD	Sample collected from a storm drain
SW	Sample collected from a sidewall of a remedial excavation
CTR	Copper tubing run
CSP-1	Clean soil pile

Table 1
Summary of Post-Excavation Sampling Activities
Building 9025, Camp Evans Area
Wall Township, New Jersey

Sample ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
9025R/F/VL1	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025OBS1	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025B1	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025B2	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025DS	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025W	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025S	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025N	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025E	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025RFL1	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
9025RFL2	12/12/97	12/15/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

* TPHC Total petroleum hydrocarbons

Table 2
Post-Excavation Soil Sampling Results
Building 9025, Camp Evans Area
Wall Township, New Jersey

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date(s)	Analytical Method Used	Method Detection Limit (mg/kg)	Result (mg/kg)	NJDEP Soil Cleanup Criteria* (mg/kg)	Exceeds Cleanup Criteria
9025R/F/VL1	3222.01	12/12/97	12/15 - 17/97	TPHC	162	ND	10,000	No
9025OBS1	3222.02	12/12/97	12/15 - 17/97	TPHC	174	198.33	10,000	No
9025B1	3222.03	12/12/97	12/15 - 17/97	TPHC	164	164.83	10,000	No
9025B2	3222.04	12/12/97	12/15 - 17/97	TPHC	158	ND	10,000	No
9025DS	3222.05	12/12/97	12/15 - 17/97	TPHC	159	ND	10,000	No
9025W	3222.06	12/12/97	12/15 - 17/97	TPHC	165	192.91	10,000	No
9025S	3222.07	12/12/97	12/15 - 17/97	TPHC	154	170.83	10,000	No
9025N	3222.08	12/12/97	12/15 - 17/97	TPHC	158	161.60	10,000	No
9025E	3222.09	12/12/97	12/15 - 17/97	TPHC	163	ND	10,000	No
9025RFL1	3222.10	12/12/97	12/15 - 17/97	TPHC	171	178.13	10,000	No
9025RFL2	3222.11	12/12/97	12/15 - 17/97	TPHC	162	169.70	10,000	No

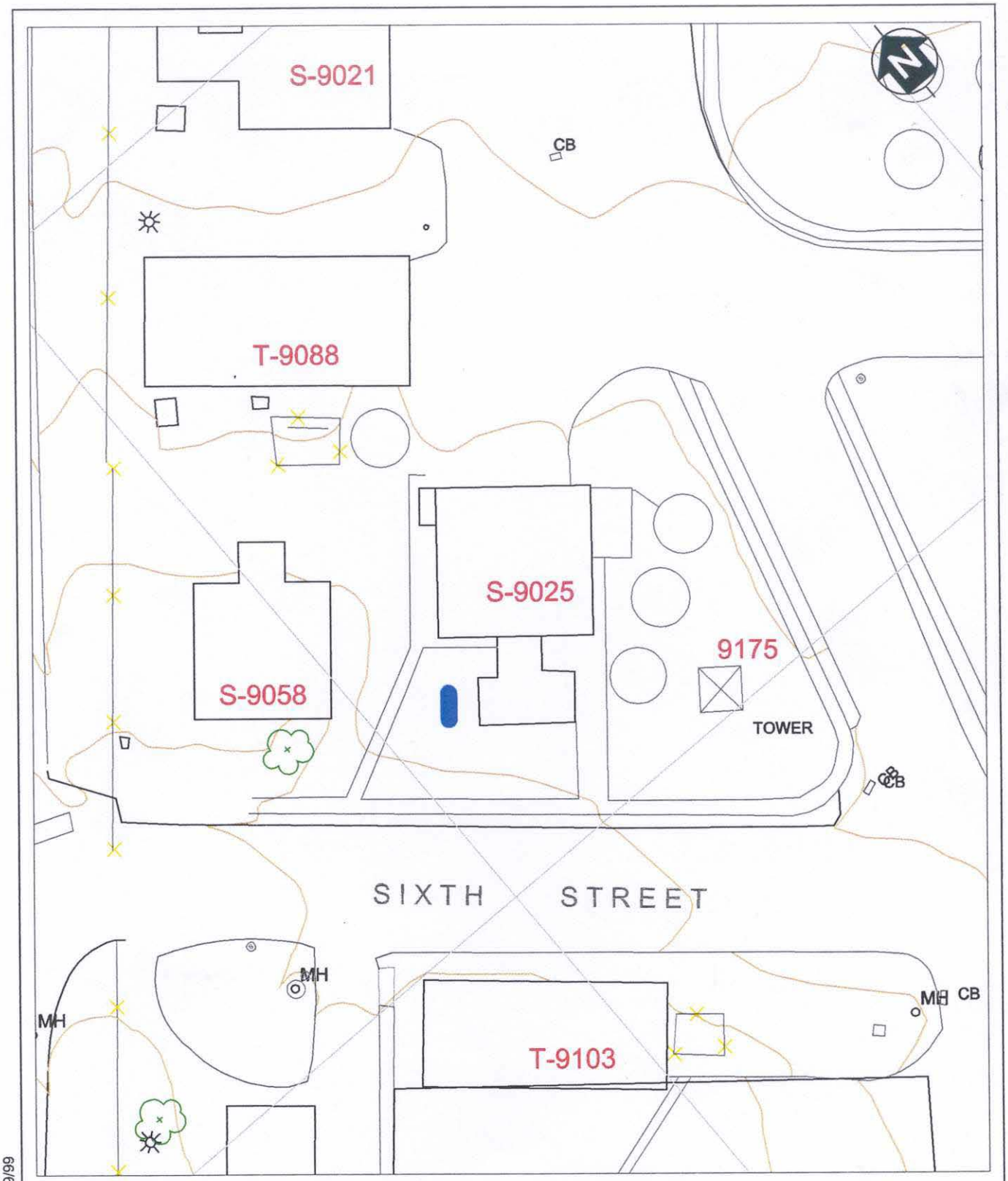
Note:

Samples collected on 12/12/97 originally showed laboratory analytical results of ND except for 9025-OBS1 which had a reading of 198.33. However, after a malfunction was discovered in the laboratory instrumentation, a second method blank was analyzed and the soil samples were re-analyzed with the above-noted results.

* Tetra Tech EM Inc. used the NJDEP limit of 1,000 ppm of TPHC before sampling for volatiles is required as a soil cleanup criteria.

ND Not detected

TPHC Total petroleum hydrocarbons



UNDERGROUND STORAGE TANK

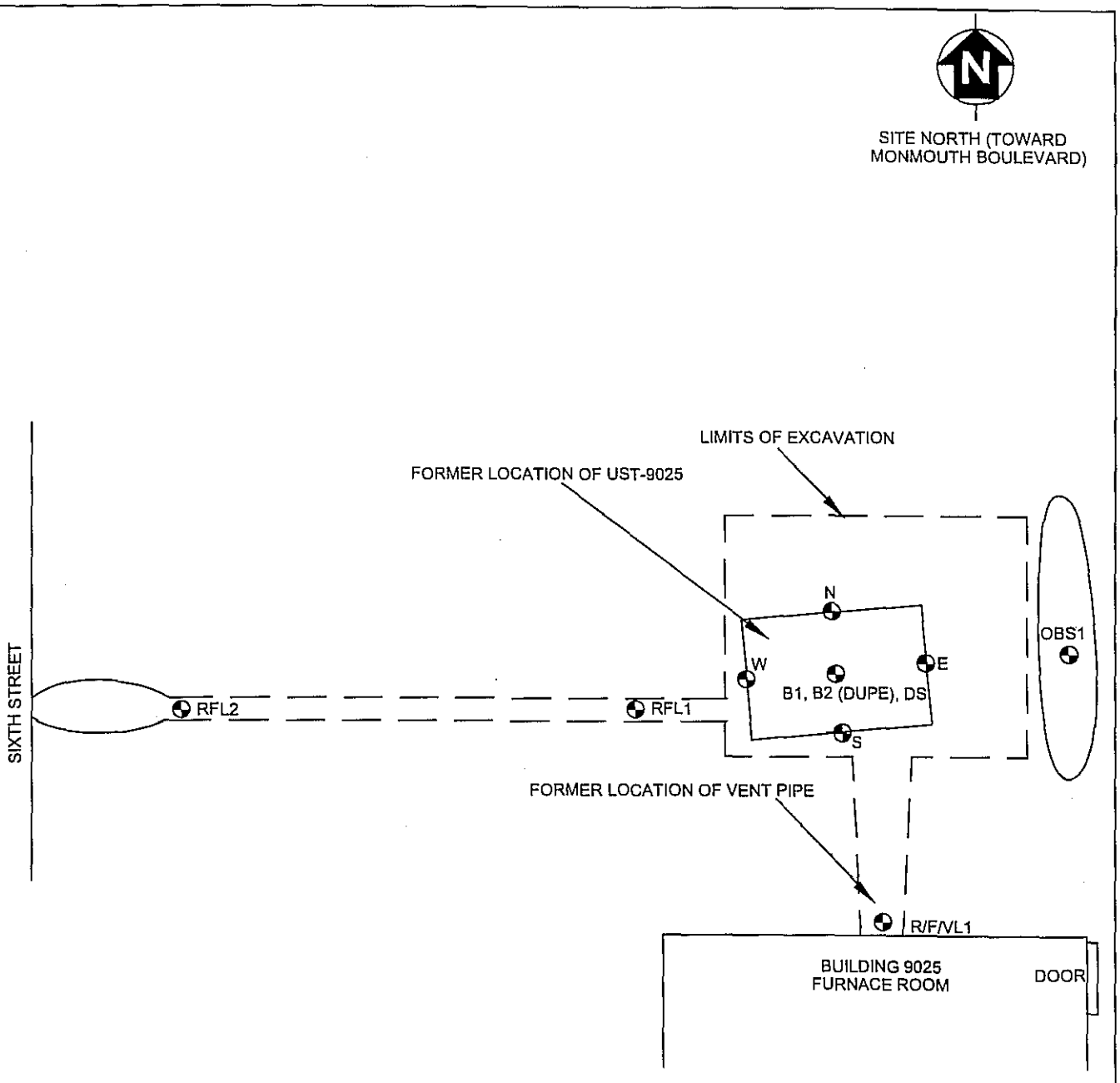
20 0 20 40
SCALE

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 1
BUILDING 9025 - UST REMOVAL LOCATION MAP

TETRA TECH EM INC.

9025.DWG ASC 01/19/99



NOTES:

1) UST-9025 WAS 6' LONG AND 4' IN DIAMETER.
2) ALL SAMPLE DESIGNATIONS ARE PRECEDED BY "9025-"
3) SAMPLE DEPTHS:
   A) B1 AND B2 : 7.0' TO 7.5'
   B) DS : 8.5' TO 9.0'
   C) W, S, N, AND E : 6.5' TO 7.0'
   D) RFL1 : 1.5' TO 2.0'
   E) RFL2 : 2.5' TO 3.0'
   F) R/F/VL : 1.5' TO 2.0'
   G) OBS1 : PILE
4) SAMPLE IDS WERE ASSIGNED BASED ON SITE NORTH TOWARD MONMOUTH BOULEVARD

2.5 0 2.5 5

SCALE IN FEET

EVANS AREA
FORT MONMOUTH, NEW JERSEY

FIGURE 2
BUILDING 9025
UST REMOVAL AND SOIL SAMPLE LOCATIONS

TETRA TECH EM INC.

9025.DWG ASC 01/19/99

APPENDIX A

SIGNED SITE ASSESSMENT SUMMARY FORM
UST NO. 90029-10

(12/97) **New Jersey Department of Environmental Protection Site Remediation Program**

UST Site/Remedial Investigation Report Certification Form

A. Facility Name: US Army, Fort Monmouth, Evans Area

Facility Street Address: Building 1207, DCSOPS-BID

Municipality: Wall Township County : Monmouth

Block: 240, 241 and 242 Lot(s): 240 (55.01, 55.02, 55.03 & 55.04), 241 (1), 242 (1.01 & 1.02

Telephone Number : (732) 239-2427

B. Owner (RP)'s Name: US Army, CECOM

Street Address: DCSOPS-BID, Bldg. 1207 City : Fort Monmouth

State: NJ Zip: 07703 Telephone Number : (732) 532-5052

C. (Check as appropriate)

- Site Investigation Report (SIR) $500 Fee
- Remedial Investigation Report (RIR) $1000 Fee

D. (Complete all that apply)

- Assigned Case Manager : Mr. Ian Curtis
- UST Registration Number : (7 digits): 90029 - 10
- Incident Report Number (10 or 12 digits): _____
- Tank Closure Number C(N)9 (7 characters): Approved by Case Manager

E. Certification by the Subsurface Evaluator:

The attached report conforms to the specific reporting requirements of N.J.A.C. 7:26E : Yes

Name: Kevin J. Phelan Signature: Kevin J. Phelan UST Cert. No.: 0018436

Firm: Tetra Tech EM, Inc. Firm's UST Cert. Number: US00457

Firm Address: 1 Bank Street, Suite 103 City: Rockaway

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

State: NJ Zip: 07866 Telephone Number : (973) 9830507, Ext. 230

(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): Mr. Charles Appleby

Title: BRAC Environmental Coordinator, Evans Area

NJDEP Subsurface Evaluator # 2056

Signature: _____

Company Name: US Army, CECOM, DCSOPS-BID, Fort Monmouth NJ, 07703

Date: November 30, 2000

APPENDIX B

PHOTOGRAPHS OF UST CLOSURE
UST NO. 90029-10

PHOTO 1: View of UST-9025 being uncovered (looking southwest).

PHOTO 2: View of UST-9025 being removed from the ground (looking southwest).

PHOTO 3: View of the sampling locations in the UST-9025 excavation (looking south).

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA PACKAGE
UST NO. 90029-10

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client:	U.S. Army	**Lab. ID #:**	3222
	DPW. SELFM-PW-EV	**Date Rec'd:**	12-Dec-97
	Bldg. 173	**Analysis Start:**	15-Dec-97
	Ft. Monmouth, NJ 07703	**Analysis Complete:**	17-Dec-97
Analysis:	OQA-QAM-025	**UST Reg. #:**	
Matrix:	Soil	**Closure #:**	
Analyst:	D. Deinhardt	**DICAR #:**	
Ext. Meth:	Shake	**Location #:**	Bldg. 9025

Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL (mg/kg)	TPHC Result (mg/kg)
3222.01	9025-R/F/VL1	1.00	15.76	91.84	162	ND
3222.02	9025-OBS1	1.00	15.20	88.90	174	198.33
3222.03	9025-B1	1.00	15.14	94.52	164	164.83
3222.04	9025-B2	1.00	15.60	95.60	158	ND
3222.05	9025-DS	1.00	15.06	98.07	159	ND
3222.06	9025-W	1.00	15.07	94.62	165	192.91
3222.07	9025-S	1.00	15.75	97.04	154	170.83
3222.08	9025-N	1.00	15.67	94.71	158	161.60
3222.09	9025-E	1.00	15.32	94.12	163	ND
3222.10	9025-RFL1	1.00	15.17	90.84	171	178.13
3222.11	9025-RFL2	1.00	15.14	96.06	162	169.70
METHOD BLANK	15-Dec-97	1.00	15.00	100.00	157	ND
METHOD BLANK	22-Dec-97	1.00	15.00	100.00	157	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

APPENDIX D

UST DISPOSAL CERTIFICATE

UST NO. 90029-10

1995 8:52PM FROM JMT ENVIRON TECH 618 729 6149 P.3

Reorder From:
The Drawing Board
P.O. Box 2944 • Hartford, CT 06104-2944
Call Toll Free: 1-800-527-9530

REORDER ITEM # BLN74

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper No. 024

Carrier No.

Date

SMC ENVIRONMENTAL SERVICES GROUP
(Name of Carrier)

From (Consignor) Mazza + Sons, INC	To (Consignee) U.S. Army Camp Evans
Street 3230 Shafto Road	Street Building 9025
Destination Tinton Falls, NJ Zip Code 07753	Origin Wall NJ 07719
State	Vehicle Number

No. Shipping Units	* HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
(1)		for scrap only			
		1- 550 Gallon U.S.T Skid			
		Cut in 11			
		Building # 9025			
		TANK # 9002S-10			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

TOTAL CHARGES: $

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ per

This is to certify that the above-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.

Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its road, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER U.S. Army Camp Evans

PER David H. Daniels (Agent)

CARRI SMC ENVIRONMENTAL SERVICES GROUP

PER

DATE 1/19/98

*Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

Reorder Item #BLN174 The Drawing Board, P.O. Box 2944, Hartford, CT 06104-2944
©EGI, 1992, Printed in U.S.A.

SMC Environmental Services Group
A Subsidiary of Science Management Corporation
P.O. Box 859
Valley Forge, Pennsylvania 19482
Telephone (610) 265-2700

24

CERTIFICATE OF NON-HAZARDOUS VESSEL

FACILITY: Camp Evans (U.S. Army)
Wall, NJ
Building # 9025

VESSEL: 550-Gallon Steel UST
(Formally # 2 Fuel Oil)

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 12/12/92, 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 / Site Manager
Print or Type Name Here

APPENDIX E

WASTE MANIFEST FOR
OFF-SITE TRANSPORT OF UST CONTENTS
UST NO. 90029-10

LORCO PETROLEUM SERVICES
(908) 721-0900
Fax (908) 721-0231

STANDARD COLLECTION ORDER FORM

181260

SALES ORDER #

GENERATOR/LOCATION

CAMD CUNS Area
INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS
WALL NJ
CITY STATE ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

USA EPA ID NO. (IF APPLICABLE)

STATE ID NO.
NA

BILL TO (IF DIFFERENT FROM LOCATION)

NAME
SMG Environmental Services
INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS
501 Allendale Road
CITY
King of Prussia
STATE PA ZIP 19406
PHONE NUMBER
(610)265-2700
PURCHASE ORDER NUMBER
16898
MANIFEST NUMBER 9779

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		X600				
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL			600 gallons			
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
300	PARTS WASHER SERVICE						
500	TRUCK & OPERATOR		JAM -	1030 AM	3.5 hours		
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			Pumped Out Drums & Tank				

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

DINKER M. DESAI
Print Name Title

Signature Date

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

<1000 PPM

TOTAL

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.

JOHN SALVATO
Print Name

Signature 12/31/97 Date

LORCO REPRESENTATIVE

ORIGINAL

MEMORANDUM

LORCO
PETROLEUM SERVICES

GENERATOR CERTIFICATION

I hereby certify to the best of my knowledge that the waste described on Hazardous Waste Manifest No. 9779 dated 12 31 97, is generated by one or more of the following processes and does not contain more than 2 ppm polychlorinated biphenyls (P.C.B.'s) and does not display any characteristic or contain any hazardous constituents other than for which waste oils are listed in New Jersey.

X721: Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.

X722: Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.

X723: Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.

X724: Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oil ballast water from product transport units of boats, barges, ships or other vessels.

X725: Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.

X726: The following used and unused waste oils: metal working oils; turbine lubricating oils, diesel lubricating oils, and quenching oils.

X728. Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.

*This used oil product was tested on site, before pumping with a dexsil C.D.T. test kit. Results: _____ PPM halogens.

I am duly authorized to sign said certification.

Generator US Army Communications Electronics Comand Camp Guins Area

Generator's EPA ID No. NJ3210020324

Address C/O Joseph Faion Bldg 11 AIN Saken Pwen Fort Monmouth NJ 07703

Print Name DINKAL M. DESAI Signature D. M. D

Title Environmental Engineer

Date 11/6/97