Removal

~~Remedial Investigation~~ Report

Prepared for

U.S. Army Corps of Engineers
Baltimore District
P.O. Box 1715
Baltimore, Maryland 21203

Site Location

Military Ocean Terminal, Bayonne Yard
Bayonne, New Jersey

Prepared by:

Apex Environmental Incorporated
15850 Crabbs Branch Way, Suite 200
Rockville, Maryland

September 2000

461500

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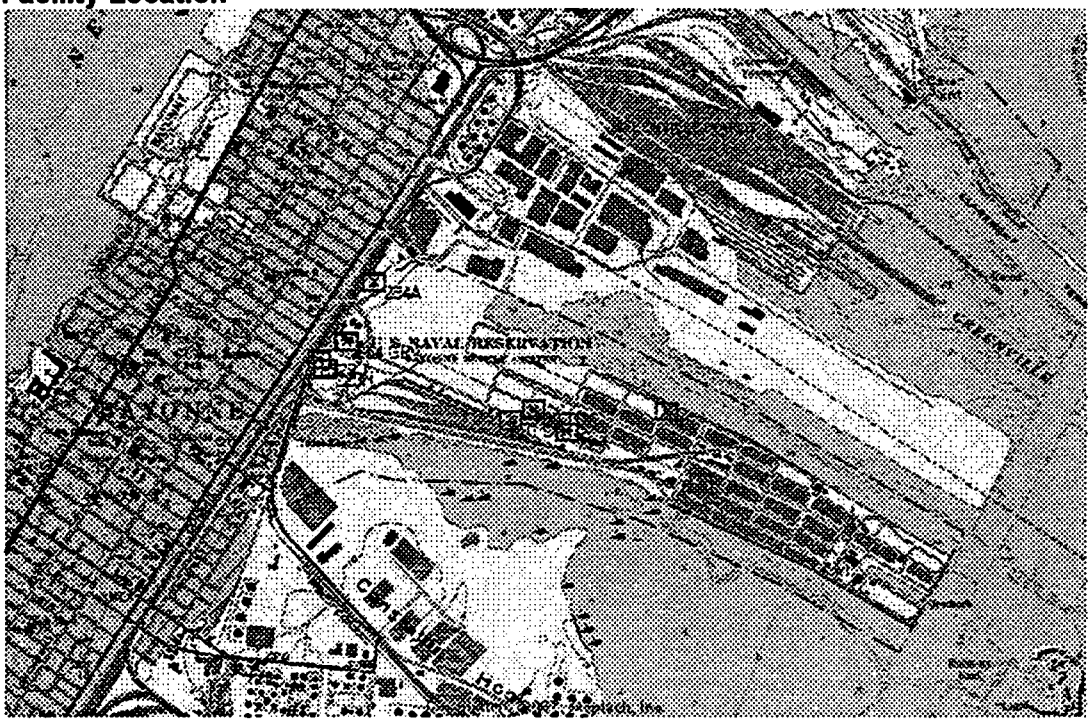
1.0 Introduction

1.1 Background

The Military Ocean Terminal, Bayonne (MOTBY) was established on July 1, 1965, as a Class II activity under the Command Military Traffic Management and Terminal Service. Activities performed at MOTBY include, but were not limited to, loading and discharging of Department of Defense (DOD) – manifest export/import cargo, and processing DOD passengers arriving by ship. On July 1, 1967, the land was transferred to the US Army. In 1975, the stated mission of the MOTBY was to plan, coordinate, and accomplish the movement of the DOD and other governmental agency-sponsored ocean cargo through the terminal and other commercial facilities in the Port of New York. MOTBY is a 679-acre, approximately 1/3-mile wide and 2 mile long man-made peninsula that extends into the upper New York Harbor. MOTBY is part of the City of Bayonne, Hudson County, New Jersey. The site is currently being transferred to the City of Bayonne, which promulgated the site cleanup activities and will be discussed in this report.

Fig 1. Facility Location



1.2 Scope and Purpose

The project consisted of the decommissioning, removal and disposal of eleven underground storage tanks (USTs), seven above ground storage tanks (ASTs), four Convaults® and two oil water separators (OWS), and the ancillary and miscellaneous equipment from the MOTBY Site (see Table 1). In addition to removal actions Apex Environmental Inc. (APEX) performed the soil screening, soil quality evaluation, analysis, restoration, disposal operations including, but not limited to, contaminated soil, construction debris, tanks and their contents. As part of the contract (#DACA31-98-D-0036, Delivery Order # 0015), no more than one tank volume of petroleum-impacted soil was excavated from the removed underground tank systems.

Table 1.0 Tank Designation Table

Building Designation	Gallons/Size	Contents	Tank ID
Aboveground Storage Tanks			
42/1W	275	Diesel	N/A
42/1W	25	Diesel	N/A
42/1C	100	Diesel	N/A
42/6	65	Diesel	N/A
61B	550	No. 2 Heating Oil	N/A
22	1,000	Diesel	N/A
42	10	Diesel	N/A
Underground Storage Tanks			
91D	(3) 2,500	Unleaded Gasoline	EO36, EO37, EO38
254 GBV	(2) 6,000	No. 2 Heating Oil	Unregulated
234A	1,000	No. 2 Heating Oil	Unregulated
229H	1,000	No. 2 Heating Oil	Unregulated
229J	1,000	No. 2 Heating Oil	Unregulated
42	2,500	Diesel	MO43
82	1,000	Diesel	MO39
45	550	Waste Oil Residue	Unregulated
Convaults®			
91A	500	No. 2 Heating Oil	N/A
211A	500	No. 2 Heating Oil	N/A
228A	1,000	No. 2 Heating Oil	N/A
235B	500	No. 2 Heating Oil	N/A
Oil/Water Separators			
72A	50	Waste Oil Residue	EO49
45	50	Waste Oil Residue	EO50

Prior to removal actions of the underground storage tanks, Apex mobilized its Geoprobe direct push type-drilling rig to advance four borings in the area of each of the subject USTs. The soil borings were advanced to determine whether soil contamination would be encountered during removal actions. The soils in the vicinity of the subject tanks were generally similar being composed primarily of fill, silty sand, intermittent stone, and clays. As indicated previously, the subject site is a man-made peninsula and it is expected that the identified soil types were brought in from off-site. No determination could be made with respect of the soils origin.

Apex personnel advanced the soil borings within two feet of the subject tanks to a depth of six inches to one foot below each of the respected tanks. During the installation of the soil borings, Apex's field geologist performed soil screening utilizing a properly calibrated photo-ionization detector (PID). The PID detects concentrations of volatile organic compounds (VOCs) such as those associated with petroleum constituents. Apex's geologist, utilizing appropriate field screening techniques, obtained worst-case soil samples adjacent to the tanks and requested laboratory analysis for the appropriate parameters based on the tanks contents. Each of the samples their location and analysis will be documented in the Tank Removal Activities and Soil Quality Investigation section of this report.

1.3 Geology of the Area

Based on information provided by the New Jersey Department of Environmental Protection, the Division of Science, the Research and Technology, and the New Jersey Geological Survey it was determined that the subject property is located in the southeastern corner of the Piedmont Province of New Jersey. Rocks of the Piedmont Province are separated from the rocks of the Highland Province by a series of major faults, including the Ramapo Fault. The more resistant gneisses and granites on the up thrown northwest side of the faults make a prominent escarpment. 200 to 800 feet in height, extending from Mahwah through Boonton and Morristown to Gladstone, and from there westward in an irregular line to the Delaware River near Milford.

South and east of this escarpment, interbedded sandstone, shale, conglomerate, basalt, and diabase of the Piedmont Province underlie abroad lowland interrupted by long, generally northeast-southwest trending ridges and uplands. The rocks of the Piedmont are of Late Triassic and Early Jurassic age (230 to 1290 million years old). They rest on a large, elongate crustal block that dropped downward in the initial stages of the opening of the Atlantic Ocean – one of a series of such blocks in eastern North America. These down-dropped blocks formed valleys known as rift basins. Sediment eroded from adjacent uplands was deposited along rivers and in lakes within the basins. These sediments became compacted and cemented to form conglomerate, sandstone, siltstone, and shale. They commonly have a distinctive reddish-brown color.

In the course of rifting, the rock layers of the Piedmont became tilted northwestward, gently folded, and cut by several major faults. Volcanic activity was also associated with the rifting, as indicated by the basalt and diabase inter-layered with the sandstone and shale. Diabase in a rock formed by the cooling of magma at some depth in the crust; basalt is formed by cooling of an identical magma that has been extruded onto the surface as lava. Both basalt and diabase are more resistant to erosion than the enclosing sandstone and shale and therefore they form ridges and upland. Diabase layers underlie the Palisades, Rock Hill, Sourland Mountain, and Cushetunk Mountain. Diabase layers underlie the Watching Mountains, Long Hill, and Hook Mountain. Valleys and lowlands between these ridges are underlain by shale and sandstone.

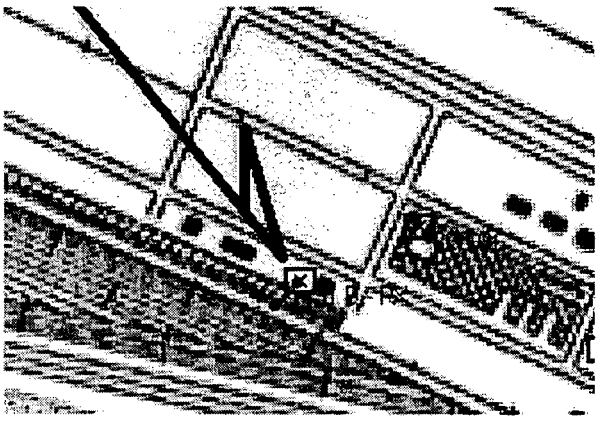
The basalt and diabase are extensively quarried for crushed stone. In the past, "brownstone" was widely quarried from sandstone units. Also associated with the diabase and basalt. The basalt and diabase generally are poor aquifers but the sedimentary rocks are in places capable of yielding large quantities of water.

2.0 Discussion - Tank Removal Activities and Soil Quality Investigation

2.1 Building 91D – Three 2,500-Gallon Unleaded Gasoline USTs

Building 91D is located north of the main railroad trunk on the south-central perimeter of the military base. Extending west to east along the northern extension of the railroad tracks is an elevated loading dock. The loading dock is approximately 10 feet north of three 2,500-gallon underground storage tanks. The double walled fiberglass tanks were known to contain unleaded gasoline.

Figure 2.1-1 Building 91D



Prior to removal actions, in an effort to determine the extent, if any of contamination, Apex personnel performed soil-boring activities in the area of the three USTs. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory,

specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figures 2.1-2 and 2.1-3 and Tables 2.1-A and 2.1-B for sample location and analysis.

Apex began closure activities at Building 91 D on July 12, 2000. Each of the subject tanks were made inert of flammable vapors utilizing dry ice. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 1,320 gallons of gasoline/water mixture and sludge from the three USTs (Manifest 288222). Excavation activities began once the tanks contents were removed. The concrete pad above the three tanks was removed utilizing a power ram. Concrete and overburden were placed in roll-off containers, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the concrete pad was removed, it was determined that the three tanks were located in a concrete vault. The double walled fiberglass tanks were removed and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. Apex personnel removed the clean pea gravel located in the vault in an effort to inspect the integrity of the underlying concrete flooring of the vault. However due to groundwater infiltration into the vault, no inspection could be performed. Based on field screening and visual observations of the pea gravel, no elevated concentrations of volatile organics were detected. In addition, no sheen was observed on the groundwater located in the vault. Therefore, the clean pea gravel was placed back into the vault. The excavation was filled eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate.

These three USTs were piped to a dispenser island located approximately 90 feet northeast. Apex personnel dissembled the dispensers and ensured all remaining product was evacuated for the piping. Beginning from the tank farm, the piping was excavated approximately 6 inches below the double walled fiberglass piping. The pipe run was removed in 15 to 20 feet sections. The underlying soils were found to contain elevated PID readings ranging from 5 to 40 parts per million. Based on the field screening, all of the underlying soils (approximately 5 tons) from the pipe run were segregated, stockpiled and covered with 6-mil plastic pending transportation and disposal. Samples were obtained every 15 feet along the pipe run and analyzed for volatile organic content by EPA method 8260. Three samples were obtained below each of the dispensers. Once the piping and dispensers were removed, 6-mil plastic was placed on the bottom of the pipe run and clean ¾ " crushed stone was utilized to backfill the trench. The void of each of the dispensers were filled with concrete to grade. Finally, the affected are was restored by method of paving with asphalt. It should be noted that as part of the tank and piping removal activities, no subsurface utility mains, service lines or monitoring wells were damaged.

Table 2.1-A – Soil Sample Survey, Pipe Trench
Table 2.1-B – Soil Sampling Results, Pipe Trench

Figure 2.1-2 - Site Location Map

BUILDING 91D
Table 2.1-A
Soil Sampling Survey – Pipe Trench
July 18, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
MOTBY-PX-01	3.0'	VO+10	000014238
MOTBY-PX-01AX	3.0'		
MOTBY-PX-02	3.0'	VO+10	000014239
MOTBY-PX-02AX	3.0'		
MOTBY-PX-03	3.0'	VO+10	000014240
MOTBY-PX-03AX	3.0'		
MOTBY-PX-03AD	3.0'	VO+10	000014241
MOTBY-PX-03ADAX	3.0'		
MOTBY-PX-04	3.0'	VO+10	000014242
MOTBY-PX-04AX	3.0'		
MOTBY-PX-05	3.0'	VO+10	000014243
MOTBY-PX-05AX	3.0'		
MOTBY-PX-06	3.5'	VO+10	000014244
MOTBY-PX-06AX	3.5'		
MOTBY-PX-07	3.5'	VO+10	000014246
MOTBY-PX-07AX	3.5'		
MOTBY-PX-08	3.5'	VO+10	000014245
MOTBY-PX-08AX	3.5'		
MOTBY-PX-09FB	N/A'	VO+10	
MOTBY-PX-10TB	N/A'	VO+10	

BUILDING 91D
Table 2.1-B
Soil Sampling Results – Pipe Trench
July 18, 2000

Field Sample Number	Depth	Result	Compound Detected
MOTBY-PX-01	3.0'	ND	NA
MOTBY-PX-01AX	3.0'		
MOTBY-PX-02	3.0'	ND	NA
MOTBY-PX-02AX	3.0'		
MOTBY-PX-03	3.0'	ND	NA
MOTBY-PX-03AX	3.0'		
MOTBY-PX-03AD	3.0'	ND	NA
MOTBY-PX-03ADAX	3.0'		
MOTBY-PX-04	3.0'	ND	NA
MOTBY-PX-04AX	3.0'		
MOTBY-PX-05	3.0'	ND	NA
MOTBY-PX-05AX	3.0'		
MOTBY-PX-06	3.5'	ND	NA
MOTBY-PX-06AX	3.5'		
MOTBY-PX-07	3.5'	ND	NA
MOTBY-PX-07AX	3.5'		
MOTBY-PX-08	3.5'	ND	NA
MOTBY-PX-08AX	3.5'		
MOTBY-PX-09FB	N/A'	ND	NA
MOTBY-PX-10TB	N/A'	ND	NA

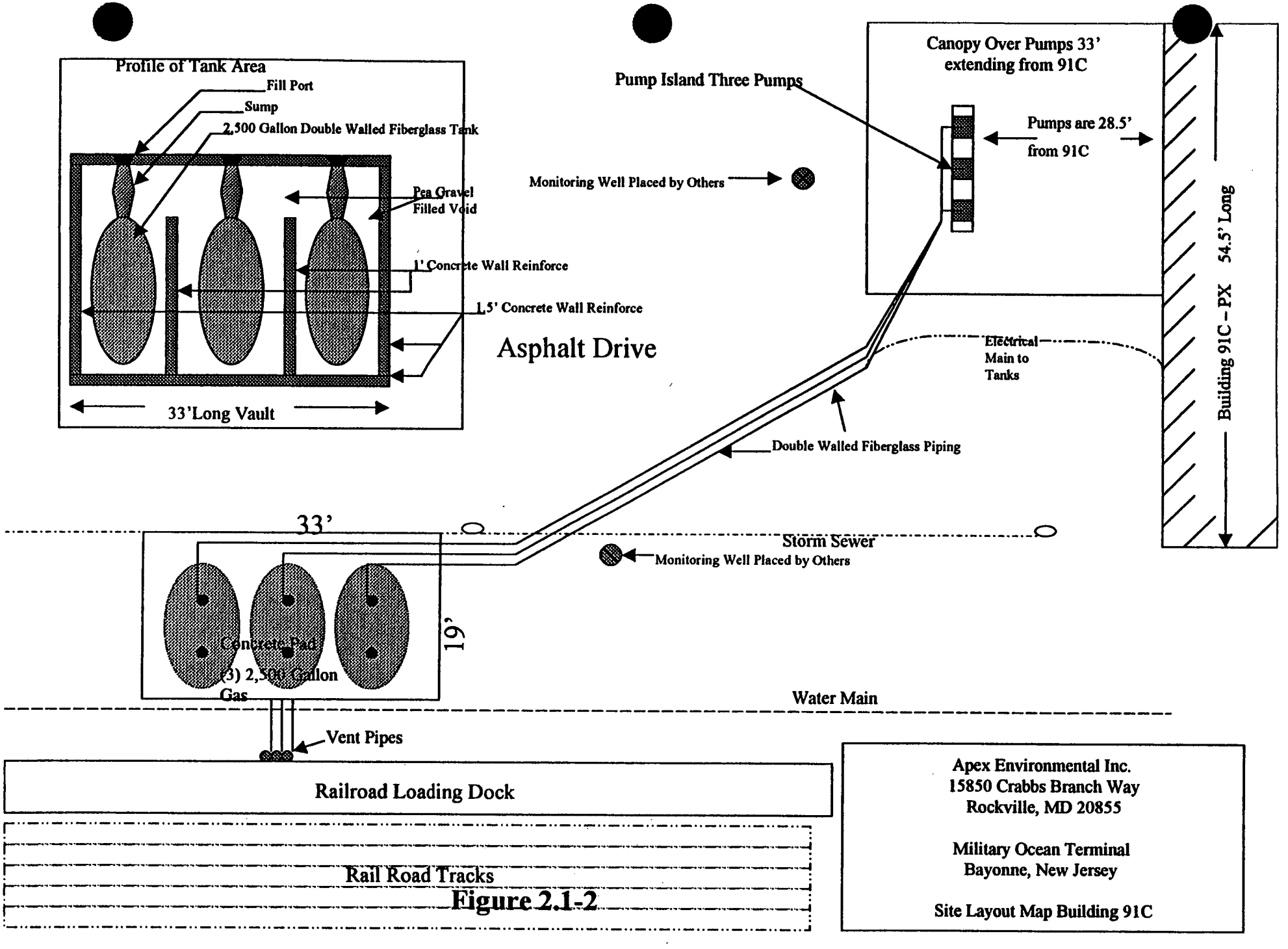


Figure 2.1-2

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 91C

SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS
B-1	5-6	91D	ND
B-2	4-5	91D	ND
B-3	4-5	91D	ND
B-4	3-4	91D	ND

Sample # MOTBY-PX-08, Silty Sand/Fill @3.5', Below Pump Elbow
Results – ND

Sample # MOTBY-PX-07, Silty Sand/Fill @3.5', Below Pump Elbow
Results – ND

Sample # MOTBY-PX-06, Silty Sand/Fill @3.5', Below Pump Elbow
Results – ND

Sample # MOTBY-PX-05, Silty Sand/Fill @3.0', Below Pipe Trench
Results – ND

Sample # MOTBY-PX-04, Silty Sand/Fill @3.0', Below Pipe Trench
Results – ND

Sample # MOTBY-PX-03, Silty Sand/Fill @3.0', Below Pipe Trench
Results – ND

Sample # MOTBY-PX-02, Silty Sand/Fill @3.0', Below Pipe Trench
Results – ND

Sample # MOTBY-PX-01, Silty Sand/Fill @3.0', Below Pipe Trench
Results – ND

Canopy Over Pumps 33' extending from 91C

Pumps are 28.5' from 91C

Building 91C – PX 54.5' Long

SAMPLE ID	DEPTH FEET	BUILDING LOCATION	PARAMETER	SAMPLE RESULTS ug/L
B-1	5-6	91D	Butanoic acid, methyl ester- Cyclotrisloxane, hexamethyl- *TOTAL*	5.8 2.7 *8.5*
B-2	4-5	91D	Butanoic acid, methyl ester- *TOTAL*	5.3 *5.3*
B-3	4-5	91D	Butanoic acid, methyl ester- Arsenous acid, tris(trimethylsily)- *TOTAL*	5.2 2.8 *8.0*
B-4	3-4	91D	Butanoic acid, methyl ester- *TOTAL*	5.6 *5.6*

Concrete Pad
(3) 2,500 Gallon Gas

Vent Pipes

Railroad Loading Dock

Rail Road Tracks

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Sample Location Map Building 91C

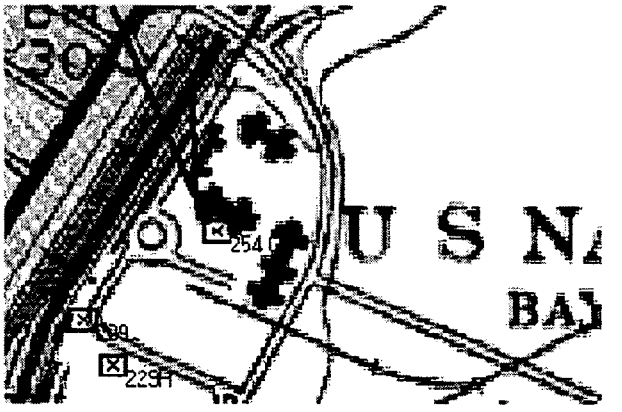
Figure 2.1-3

Figure 2.1-3 - Sample Location Map 91D

2.2 Building 254 (GBV) – Two 6,000-gallon USTs

Building 254 (GBV) is located along the western extent of the installation. The building once housed the installations personnel and can be best described as a multi-family residential dwelling. Building 254 houses a central boiler, which feeds two additional residential dwellings located northeast and northwest of its location. The three oil-fired boilers located in the basement supply heat to the two additional buildings by means of underground piping. Number 2-fuel oil is also centrally stored in two 6,000-gallon double walled fiberglass tanks. The tanks are located along the southern exterior wall of building 254. The tanks were located adjacent to each other in a partially buried open top concrete vault.

Figure 2.2-1 Building 254 (GBV)



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the two USTs. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.2-2 and 2.2-3 and Table 2.2-A and 2.2-B for sample location and analysis.

Apex began closure activities at Building 254 (GBV) on July 21, 2000. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 1,100 gallons of oil/water mixture and sludge from the two USTs (Manifest 289761). Excavation

activities began once the tanks contents were removed. The concrete wall surrounding the two tanks was removed utilizing a power ram. Concrete and overburden were placed in roll-off containers, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the concrete wall was partially removed, the tanks were excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. Apex personnel segregated any clean pea gravel and overburden soils by method of visual observations and PID screening. At an approximate depth of 5 feet below grade petroleum impacted soils were observed. These soils were segregated, stockpiled and covered with 6-mil plastic. Apex personnel continued excavation activities until the underlying concrete pad was observed. Approximately 48 tons of contaminated soils and pea gravel were removed from the excavation. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 3-02 and 3.03 and Table 3-A and 3-B for sample location and analysis.

The clean overburden soils and pea gravel previously found not to contain elevated concentrations of volatile organics were utilized for backfill. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was graded with top-soil supplied by Durable Materials of Bayonne, New Jersey. Finally, seed and hay were spread to limit soil migration.

It should be noted that all of the associated tank system piping as well as the alarm equipment were removed from the boiler room of the facility. Additionally, as part of the tank and piping removal activities, no subsurface utility mains, service lines or monitoring wells were damaged.

Table 2.2-A - Soil Sample Survey, Pipe Trench
Table 2.2-B - Soil Sampling Results

Figure 2.2-2 - Site Location Map
Figure 2.2-3 - Soil Borings Location Map 254
Figure 2.2-4 - Sample Location Map 254

BUILDING 254
Table 2.2-A
Soil Sampling Survey, Pipe Trench
July 31, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
000731-01	7.25'	TPHC	000015290
000731-01A	7.25'	Pending VO+10	
000731-02	7.25'	TPHC	000015291
000731-02A	7.25'	Pending VO+10	
000731-02B	7.25'	TPHC	000015292
000731-0BA	7.25'	Pending VO+10	
000731-03	7.00'	TPHC	000015293
000731-03A	7.00'	Pending VO+10	
000731-04	7.00'	TPHC	000015294
000731-04A	7.00'	Pending VO+10	
000731-05	7.25'	TPHC	000015295
000731-05A	7.25'	Pending VO+10	
000731-06	7.00'	TPHC	000015296
000731-06A	7.00'	Pending VO+10	
000731-07	7.00'	TPHC	000015297
000731-07A	7.00'	Pending VO+10	
000731-08	7.00'	TPHC	000015298
000731-08A	7.00'	Pending VO+10	
000731-09	7.00'	TPHC	000015299
000731-09A	7.00'	Pending VO+10	
000731-10	7.00'	TPHC	000015300
000731-10A	7.00'	Pending VO+10	
000731-11	7.00'	TPHC	000015301
000731-11A	7.00'	Pending VO+10	
000731-12	7.00'	TPHC	000015302
000731-12A	7.00'	Pending VO+10	
000731-13	7.00'	TPHC	000015303
000731-13A	7.00'	Pending VO+10	
000731-14	7.00'	TPHC	000015304
000731-14A	7.00'	Pending VO+10	
000731-15	7.00'	TPHC	000015305
000731-15A	7.00'	Pending VO+10	
000731-16	7.00'	TPHC	000015306
000731-16A	7.00'	Pending VO+10	
000731-17	7.00'	TPHC	000015307
000731-17A	7.00'	Pending VO+10	
000731-18	7.00'	TPHC	000015308
000731-18A	7.00'	Pending VO+10	
000731-19	7.00'	TPHC	000015309
000731-19A	7.00'	Pending VO+10	
000731-20	7.00'	TPHC	000015310
000731-20A	7.00'	Pending VO+10	

BUILDING 254
Table 2.2-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 31, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
000731-01	July 31, 2000	7.25'	120.0
000731-02	July 31, 2000	7.25'	**2,400.0**
000731-02B	July 31, 2000	7.25'	**4,000.0**
000731-03	July 31, 2000	7.00'	50.0
000731-04	July 31, 2000	7.00'	<10.0
000731-05	July 31, 2000	7.25'	95.0
000731-06	July 31, 2000	7.00'	58.0
000731-07	July 31, 2000	7.00'	46.0
000731-08	July 31, 2000	7.00'	70.0
000731-09	July 31, 2000	7.00'	72.0
000731-10	July 31, 2000	7.00'	68.0
000731-11	July 31, 2000	7.00'	79.0
000731-12	July 31, 2000	7.00'	54.0
000731-13	July 31, 2000	7.00'	42.0
000731-14	July 31, 2000	7.00'	46.0
000731-15	July 31, 2000	7.00'	320.0
000731-16	July 31, 2000	7.00'	73.0
000731-17	July 31, 2000	7.00'	59.0
000731-18	July 31, 2000	7.00'	60.0
000731-19	July 31, 2000	7.00'	200.0
000731-20	July 31, 2000	7.00'	87.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

BUILDING 254
Table 2.2-B cont.
Soil Sampling Results
Volatile Organic Compounds Analysis Summary
July 31, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*Result (ppm)*	*Compound Detected (ppm)*	*Tentatively Identified Compound (ppm)*
000731-02B	7-31-00	7.25'	0.7	1,3,5 Trimethylbenzene	402.9
			3.0	1,2,4 Trimethylbenzene	
			0.6	sec-Butylbenzene	
			0.5	Napthalene	

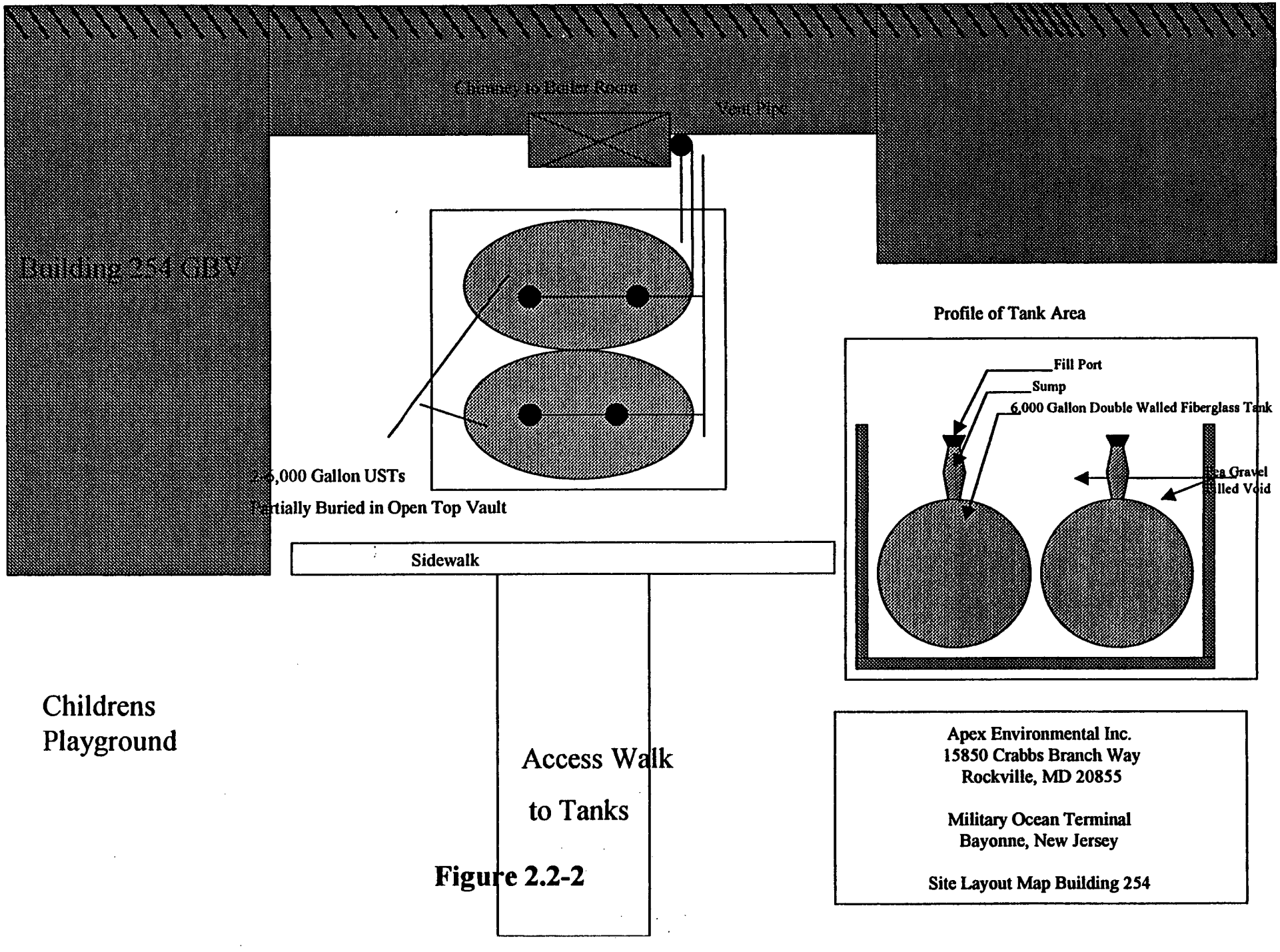
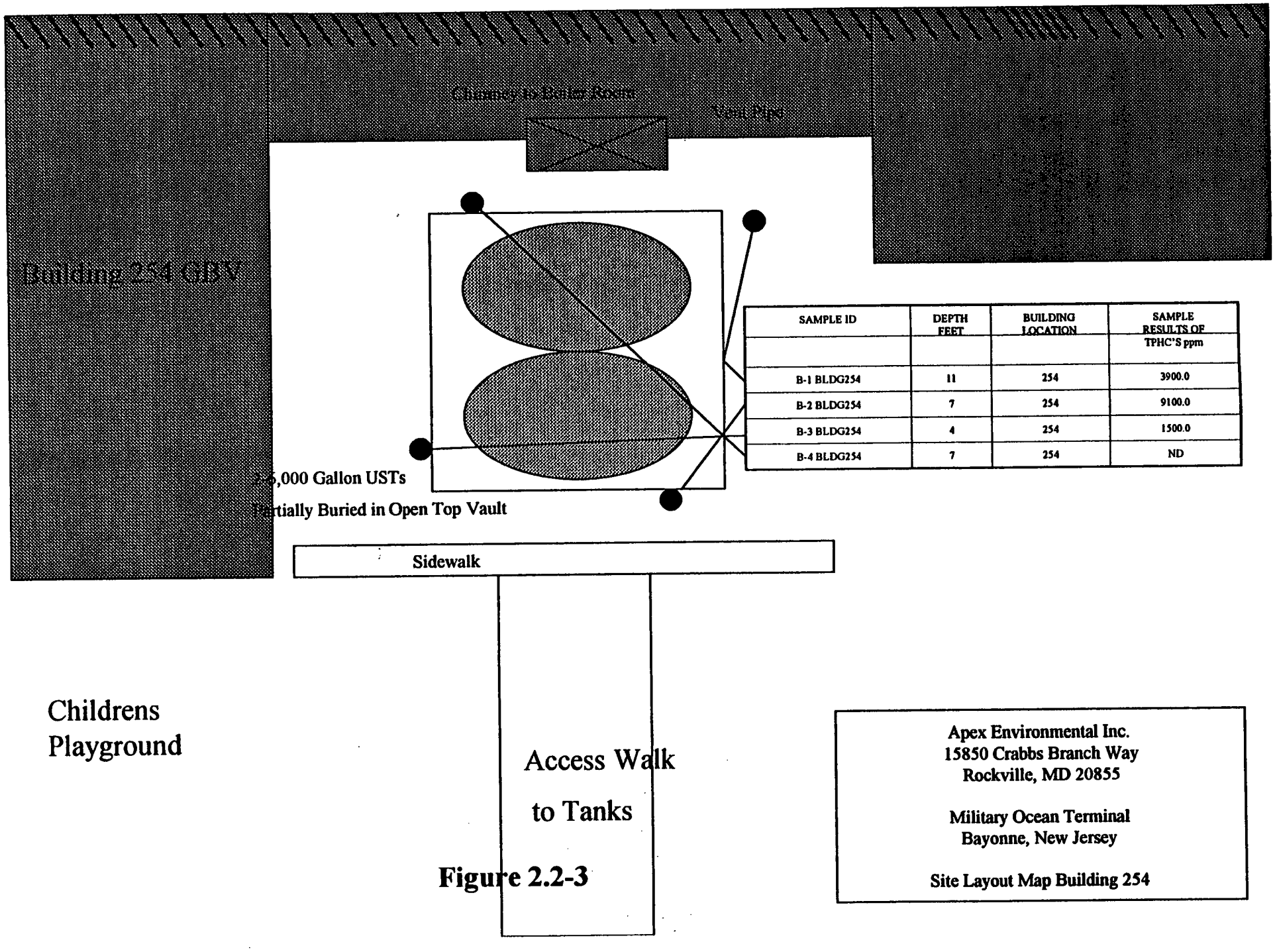

Chimney to Boiler Room
Vent Pipe
Building 254 CBV
2-6,000 Gallon USTs
Partially Buried in Open Top Vault
Sidewalk
Childrens
Playground
Access Walk
to Tanks
Profile of Tank Area
Fill Port
Sump
6,000 Gallon Double Walled Fiberglass Tank
Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855
Military Ocean Terminal
Bayonne, New Jersey
Site Layout Map Building 254

Figure 2.2-2



SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS OF TPHC'S ppm
B-1 BLDG254	11	254	3900.0
B-2 BLDG254	7	254	9100.0
B-3 BLDG254	4	254	1500.0
B-4 BLDG254	7	254	ND

Figure 2.2-3

Apex Environmental Inc.
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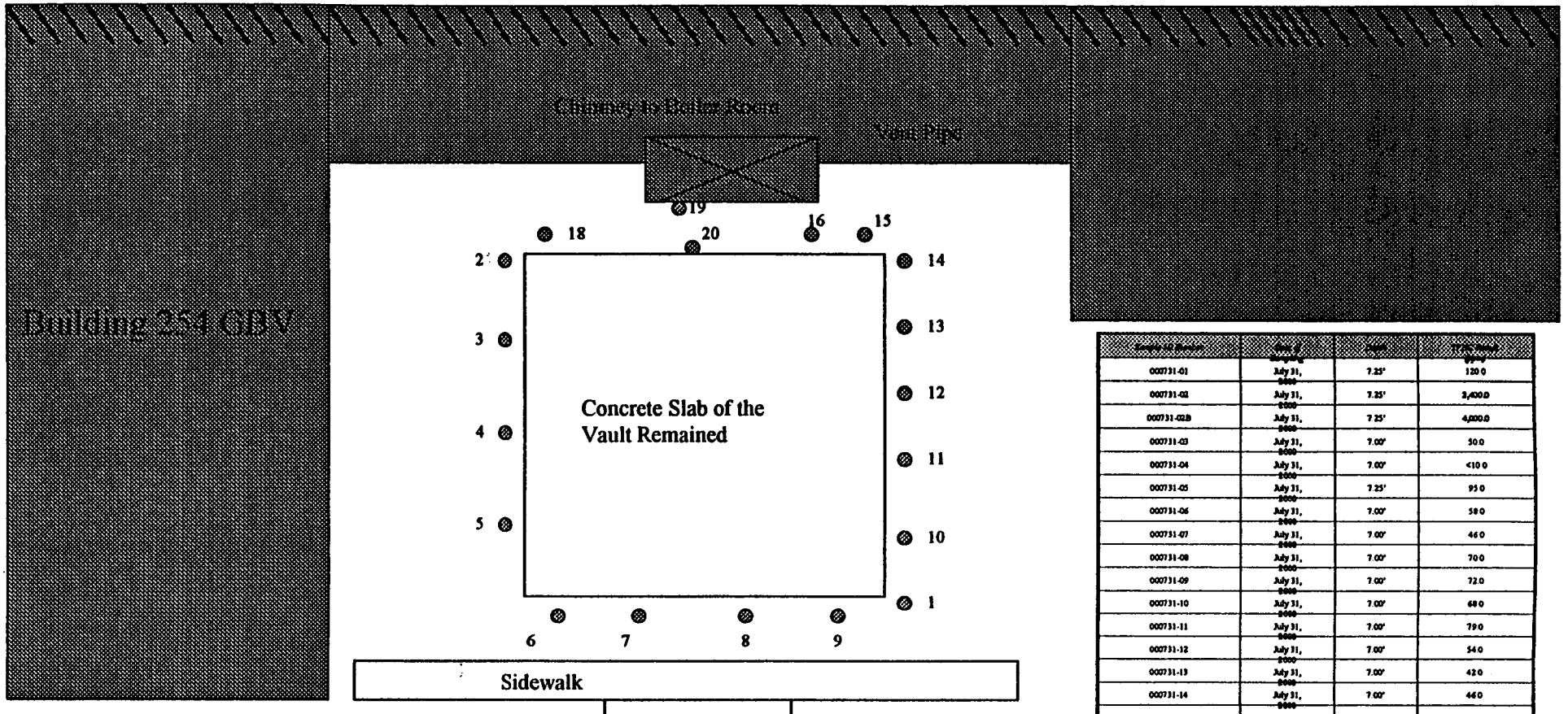
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 254



000731-01	July 31, 2000	7.25'	120 0
000731-02	July 31, 2000	7.25'	2,400 0
000731-02B	July 31, 2000	7.25'	4,800 0
000731-03	July 31, 2000	7.00'	50 0
000731-04	July 31, 2000	7.00'	<10 0
000731-05	July 31, 2000	7.25'	95 0
000731-06	July 31, 2000	7.00'	58 0
000731-07	July 31, 2000	7.00'	46 0
000731-08	July 31, 2000	7.00'	70 0
000731-09	July 31, 2000	7.00'	72 0
000731-10	July 31, 2000	7.00'	68 0
000731-11	July 31, 2000	7.00'	79 0
000731-12	July 31, 2000	7.00'	54 0
000731-13	July 31, 2000	7.00'	42 0
000731-14	July 31, 2000	7.00'	46 0
000731-15	July 31, 2000	7.00'	320 0
000731-16	July 31, 2000	7.00'	73 0
000731-17	July 31, 2000	7.00'	59 0
000731-18	July 31, 2000	7.00'	60 0
000731-19	July 31, 2000	7.00'	200 0
000731-20	July 31, 2000	7.00'	87 0

Childrens
Playground

Access Walk
to Tanks

Figure 2.2-4

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

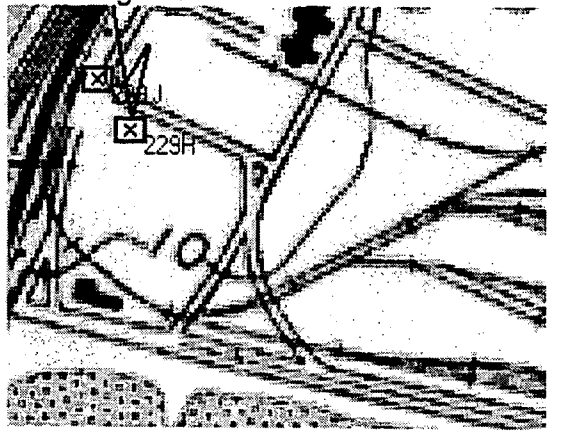
Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 254

2.3 Building 229H -1,000-gallon UST

Building 229H is located along the western extent of the installation, north of the main access gate of the facility. The single story slab-on-grade structure once housed a children's daycare center. Building 229H contained an oil-fired boiler located along its northwestern sidewall. Number 2-fuel oil was stored in a 1,000-gallon double walled fiberglass tank located along the western exterior wall of the building.

Figure 2.3-1 Building 229H



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the UST. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.3-2 and 2.3-3 and Table 2.3-A and 2.3-B for sample location and analysis.

Apex began closure activities at Building 229H on July 26, 2000. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 60 gallons of oily/water mixture and sludge from the UST (Manifest # 287328). Excavation activities began once the tanks' contents were removed. The concrete pad and asphalt covering the tank were placed in roll-off containers, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the

overburden was removed, the tank was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. During the removal activities, no visually contained soils and/or elevated PID readings were detected. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.3-2 and 2.3-3 and Table 2.3-A and 2.3-B for sample location and analysis.

The clean overburden and pea gravel previously found not to contain elevated concentrations of volatile organics were utilized for backfill. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was graded with top-soil supplied by Durable Materials of Bayonne, New Jersey. Seed and hay were spread on the affected area to limit soil migration. Finally a small asphalt patch was restored in the attached parking lot.

It should be noted that all of the associated tank system piping as well as the alarm equipment were removed from the boiler room of the facility. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.3-A - Soil Sample Survey, Pipe Trench
Table 2.3-B - Soil Sampling Results

Figure 2.3-2 - Site Location Map
Figure 2.3-3 - Soil Borings Location Map 229H
Figure 2.3-4 - Sample Location Map 229H

BUILDING 229H
Table 2.3 -A
Soil Sampling Survey, Pipe Trench
July 25, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
229H-01	7.25'	TPHC	000014798
229H-01A	7.25'	Pending VO+10	
229H-02	7.25'	TPHC	000014799
229H-02A	7.25'	Pending VO+10	
229H-02D	7.25'	TPHC	000014800
229H-02DA	7.25'	Pending VO+10	
229H-03	7.00'	TPHC	000014801
229H-03A	7.00'	Pending VO+10	
229H-04	7.00'	TPHC	000014802
229H-04A	7.00'	Pending VO+10	
229H-05	7.25'	TPHC	000014803
229H-05A	7.25'	Pending VO+10	
229H-06	7.00'	TPHC	000014804
229H-06A	7.00'	Pending VO+10	
229H-07	7.00'	TPHC	000014805
229H-07A	7.00'	Pending VO+10	
229H-08	3.25'(piping)	TPHC	000014806
229H-08A	3.25'(piping)	Pending VO+10	

BUILDING 229H
Table 2.3 - B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 25, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
229H-01	July 25, 2000	7.25'	39.0
229H-02	July 25, 2000	7.25'	62.0
229H-02D	July 25, 2000	7.25'	120.0
229H-03	July 25, 2000	7.00'	51.0
229H-04	July 25, 2000	7.00'	50.0
229H-05	July 25, 2000	7.25'	43.0
229H-06	July 25, 2000	7.00'	48.0
229H-07	July 25, 2000	7.00'	52.0
229H-08	July 25, 2000	3.25(piping)'	300.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

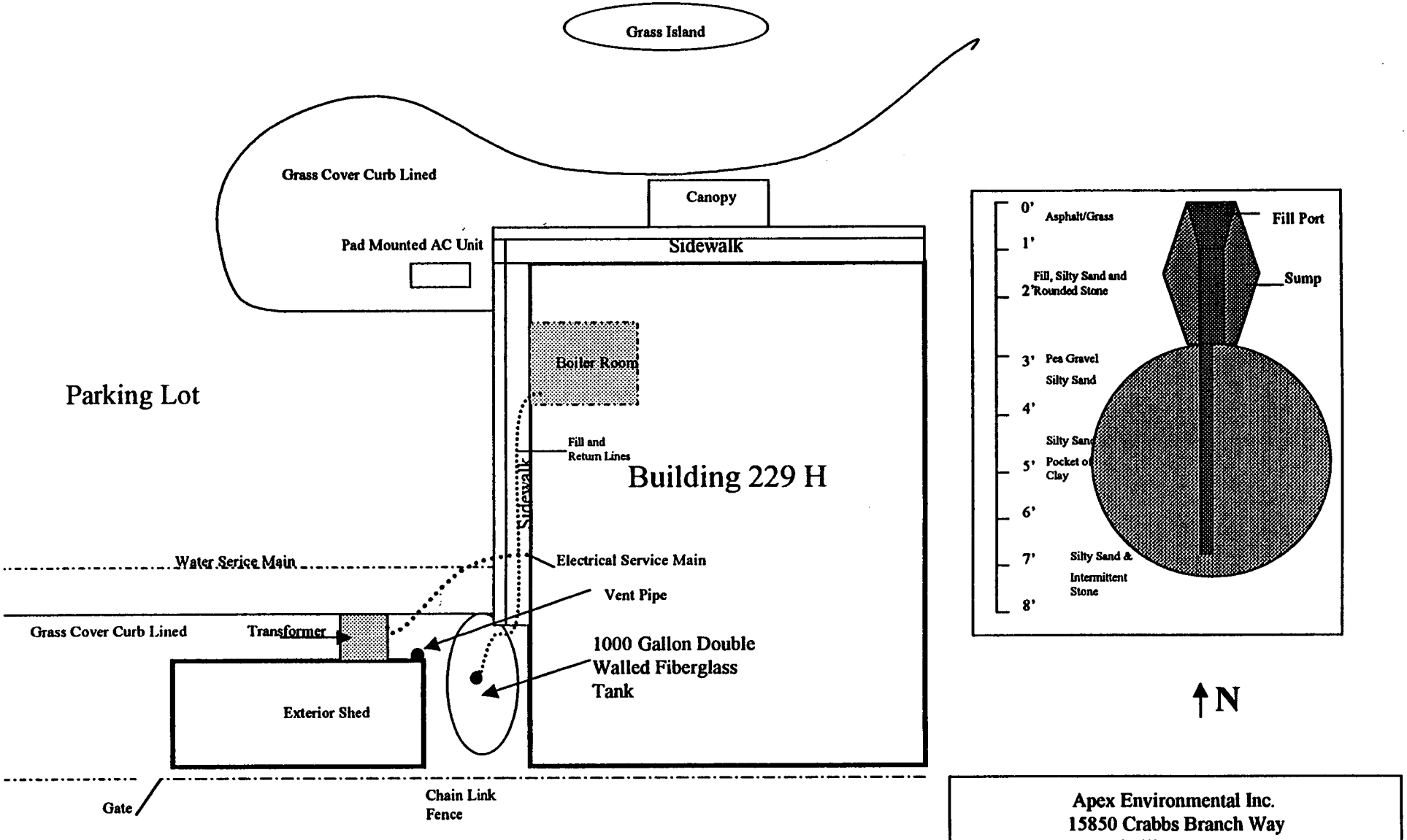


Figure 2.3-2

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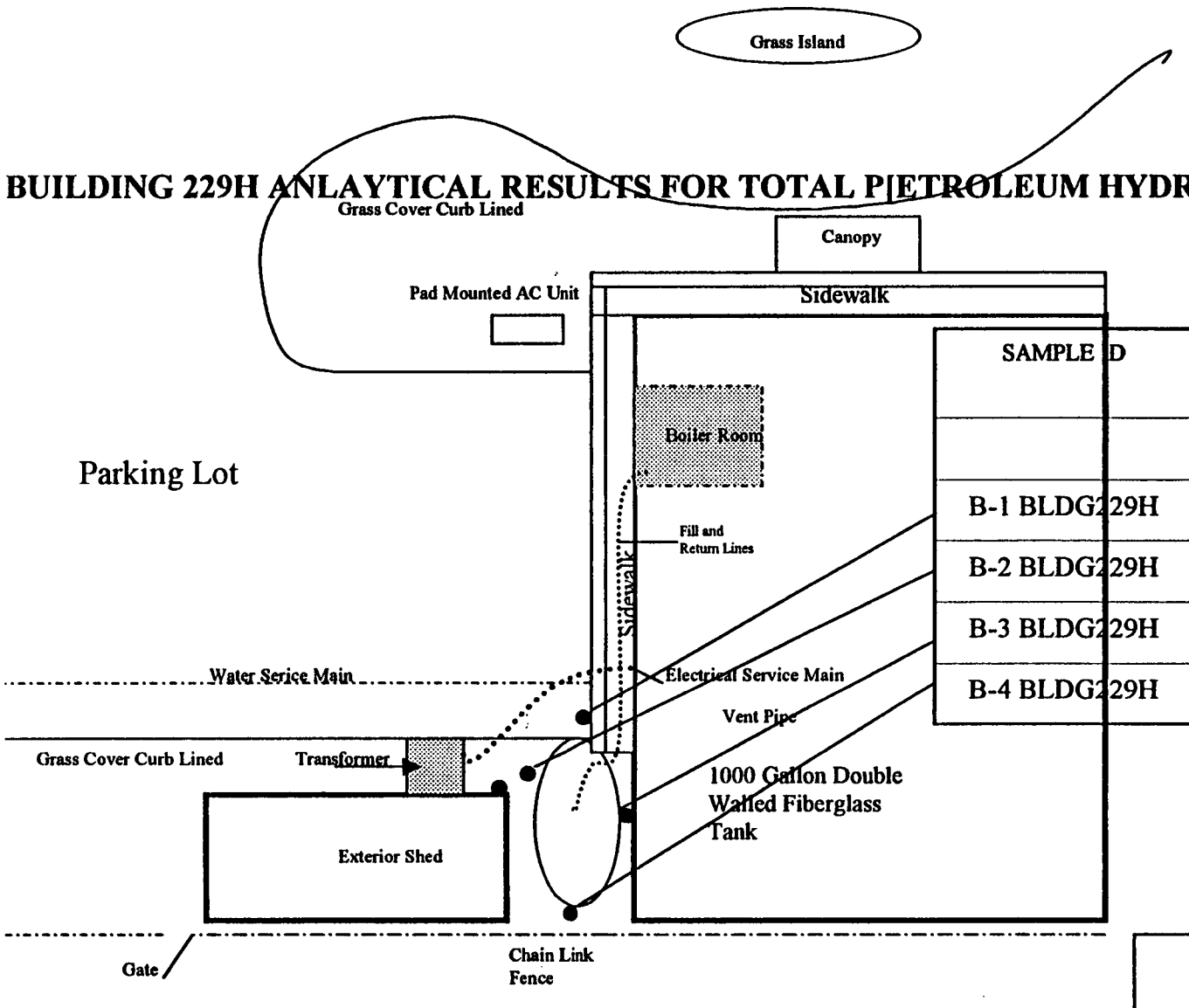
Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 229H

BUILDING 229H ANLAYTICAL RESULTS FOR TOTAL P[ETROLEUM HYDROCARBONS



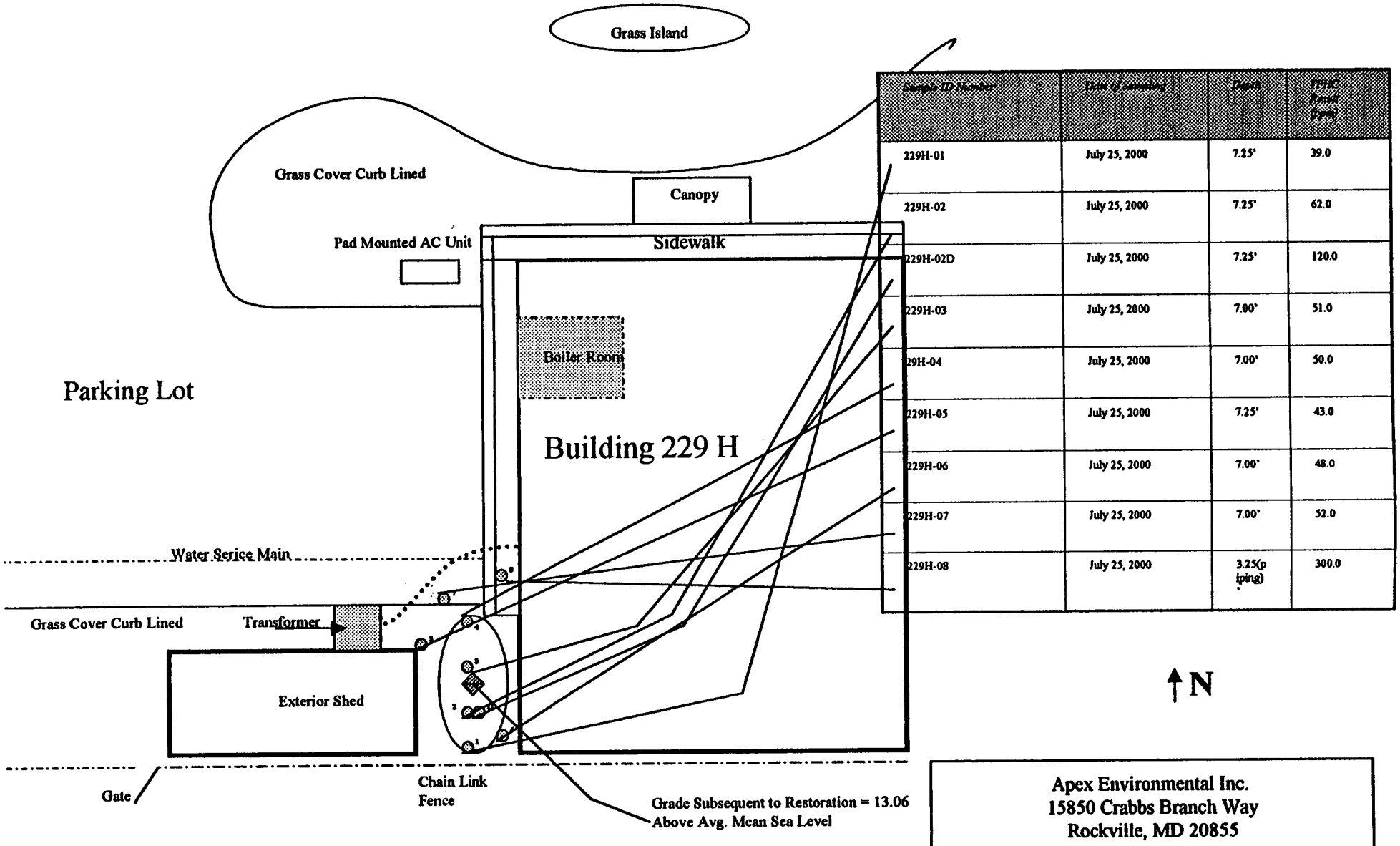
SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS OF TPHC'S ppm
B-1 BLDG229H	10	229H	ND
B-2 BLDG229H	10	229H	ND
B-3 BLDG229H	10	229H	ND
B-4 BLDG229H	10	229H	ND

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 229H

Figure 2.3-3



Sample ID Number	Date of Sampling	Depth	TPHC Result (ppm)
229H-01	July 25, 2000	7.25'	39.0
229H-02	July 25, 2000	7.25'	62.0
229H-02D	July 25, 2000	7.25'	120.0
229H-03	July 25, 2000	7.00'	51.0
29H-04	July 25, 2000	7.00'	50.0
229H-05	July 25, 2000	7.25'	43.0
229H-06	July 25, 2000	7.00'	48.0
229H-07	July 25, 2000	7.00'	52.0
229H-08	July 25, 2000	3.25(piping)	300.0

Apex Environmental Inc.
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Military Ocean Terminal
Bayonne, New Jersey

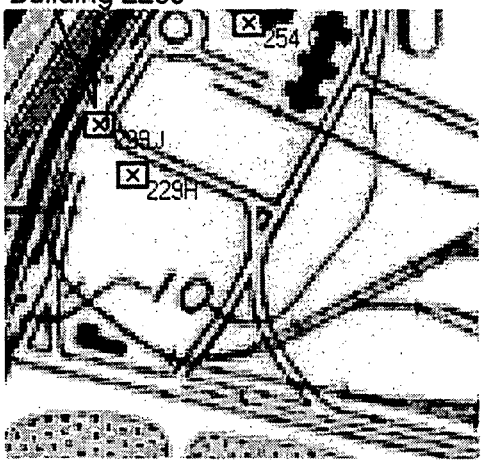
Sample Location Map Building 229H

Figure 2.3-4

2.4 Building 229J –1,000-gallon UST

Building 229J is located along the western extent of the installation, north of the main access gate of the facility. Building 229J contained an oil-fired boiler located along the northwestern corner. Number 2-fuel oil was stored in a 1,000-gallon double walled fiberglass tank located along the northern exterior wall of the building. Located directly adjacent to and north of the tank was a wooded picnic shelter. Adjacent to and west of the tank was a monitoring well, which was placed by others. Finally, an access road extending north and south was located along the western exterior wall of the building.

Figure 2.4-1 Building 229J



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the UST. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.4-2 and 2.4-3 and Table 22.4-A and 2.4-B for sample location and analysis.

Apex began closure activities at Building 229J on July 24, 2000. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 17 gallons of oily/water mixture and sludge from the UST (Manifest # 287328). Excavation activities began once the tanks contents were removed. The concrete pad covering the tank was placed in a roll-off container, pending transportation and disposal by

Scerbo Brothers Inc. of Bayonne, New Jersey. Once the overburden was removed, the tank was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. Apex personnel segregated the clean pea gravel and overburden soils by method of visual observations and PID screening. During the removal activities visually contained soils and elevated PID readings were detected. Approximately 8-tons of contaminated soils were removed from the excavation. The soil was staged on 6-mil plastic pending transportation and disposal. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore Maryland. Please refer to Figure 2.4-2 and 2.4-3 and Table 2.4-A and 2.4-B for sample location and analysis.

The clean overburden soils and pea gravel not found to demonstrate elevated concentrations of volatile organics were utilized for backfill. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was graded with topsoil supplied by Durable Materials of Bayonne, New Jersey. Seed and hay were spread on the affected area to limit soil migration.

It should be noted that all of the associated tank system piping as well as the alarm equipment were removed from the boiler room of the facility. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.4-A - Soil Sample Survey, Pipe Trench
Table 2.4-B - Soil Sampling Results
Table 2.4-C – Volatile Organic Compounds Soil Sampling Results

Figure 2.4-2 - Site Location Map
Figure 2.4-3 –Soil Boring Location Map 229 J
Figure 2.4-4 - Sample Location Map 229 J

BUILDING 229J
Table 2.4-A
Soil Sampling Survey, Pipe Trench
July 24, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
229J-01	7.25'	TPHC	000014652
229J-01A	7.25'	Pending VO+10	
229J-02	7.25'	TPHC	000014653
229J-02A	7.25'	Pending VO+10	
229J-02D	7.25'	TPHC	000014654
229J-02DA	7.25'	Pending VO+10	
229J-03	7.00'	TPHC	000014655
229J-03A	7.00'	Pending VO+10	
229J-04	7.00'	TPHC	000014656
229J-04A	7.00'	Pending VO+10	
229J-05	7.25'	TPHC	000014657
229J-05A	7.25'	Pending VO+10	
229J-06	7.00'	TPHC	000014658
229J-06A	7.00'	Pending VO+10	
229J-07	7.00'	TPHC	000014659
229J-07A	7.00'	Pending VO+10	
229J-08	3.25'(piping)	TPHC	000014660
229J-08A	3.25'(piping)	Pending VO+10	

BUILDING 229J
Table 2.4-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 24, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
229J-01	July 24, 2000	7.25'	**13,000.0**
229J-02	July 24, 2000	7.25'	**4,900.0**
229J-02D	July 24, 2000	7.25'	**8,800.0**
229J-03	July 24, 2000	7.00'	**6,800.0**
229J-04	July 24, 2000	7.00'	**6,000.0**
229J-05	July 24, 2000	7.25'	**9,800.0**
229J-06	July 24, 2000	7.00'	**9,200.0**
229J-07	July 24, 2000	7.00'	**6,000.0**
229J-08	July 24, 2000	3.25(piping)'	330.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

BUILDING 229J

Table 2.4-C
Volatile Organic Compounds Soil Sampling Results
July 24, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*Result (ppb)*	*Compound Detected (ppm)*	*NJDEP IGWSCC (ppm)*
229J-01A	7-24-00	7.25'	38.7	Naphthalene,decahydro-trans-	
			29.3	Bicyclo(4,1,0)heptane	
			35.2	Naphthalene,decahydro-2-methy	
			50.2	Naphthalene,decahydro-2-methy	
			40.8	Dodecane,6-methyl	
			25.3	Naphthalene,decahydro-2,6-dimethly-	
			25.1	Benzene, 1,3-diethyl-5-methyl	
			44.9	Benzene, (1-ethylbutyl)	
			35.0	Naphthalene,decahydro-2,6dimethyl	
			23.4	1H-Indene,2,3-dihydro-1,1,3-trimethyl	
229J-07A		7.00	21.6		

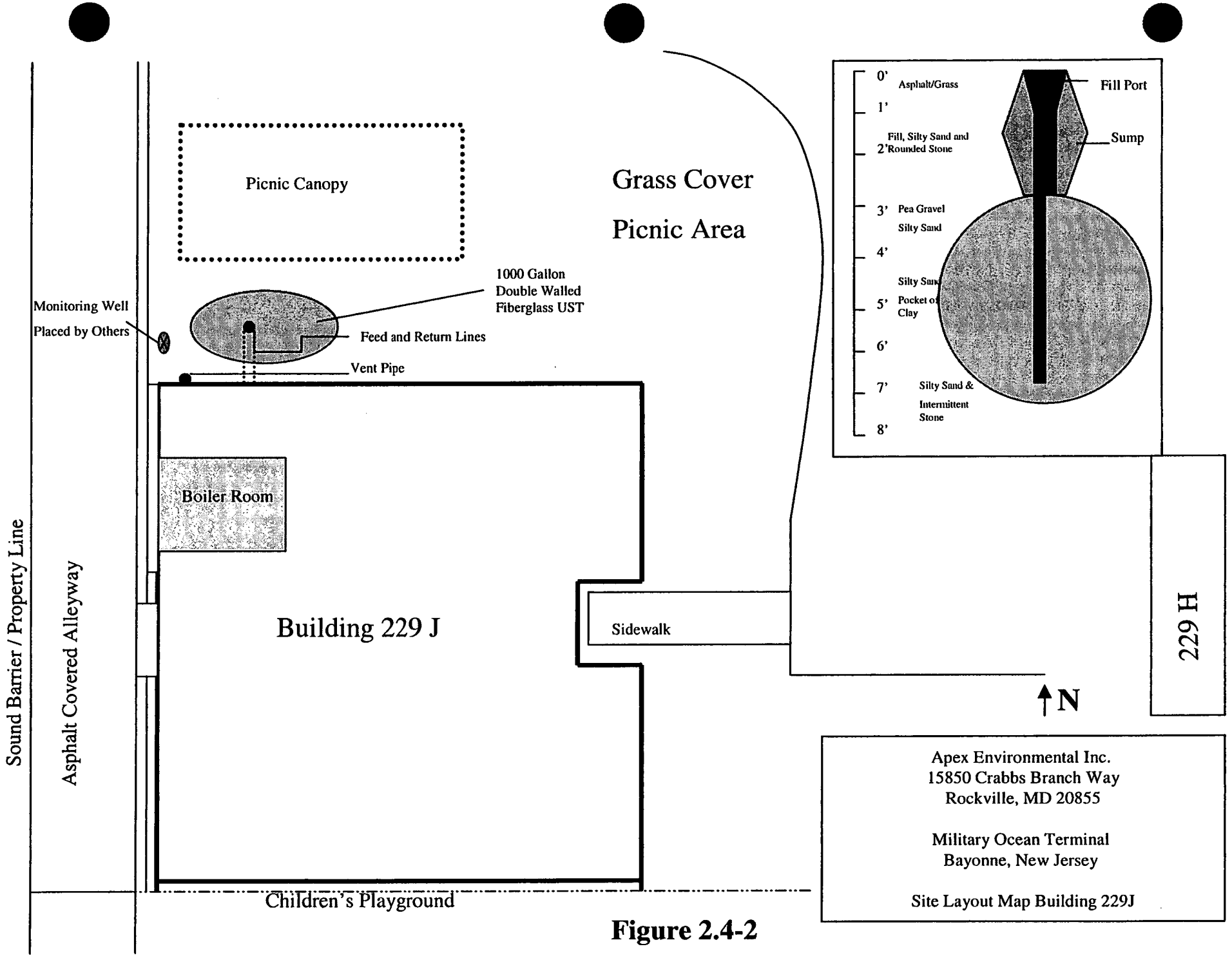
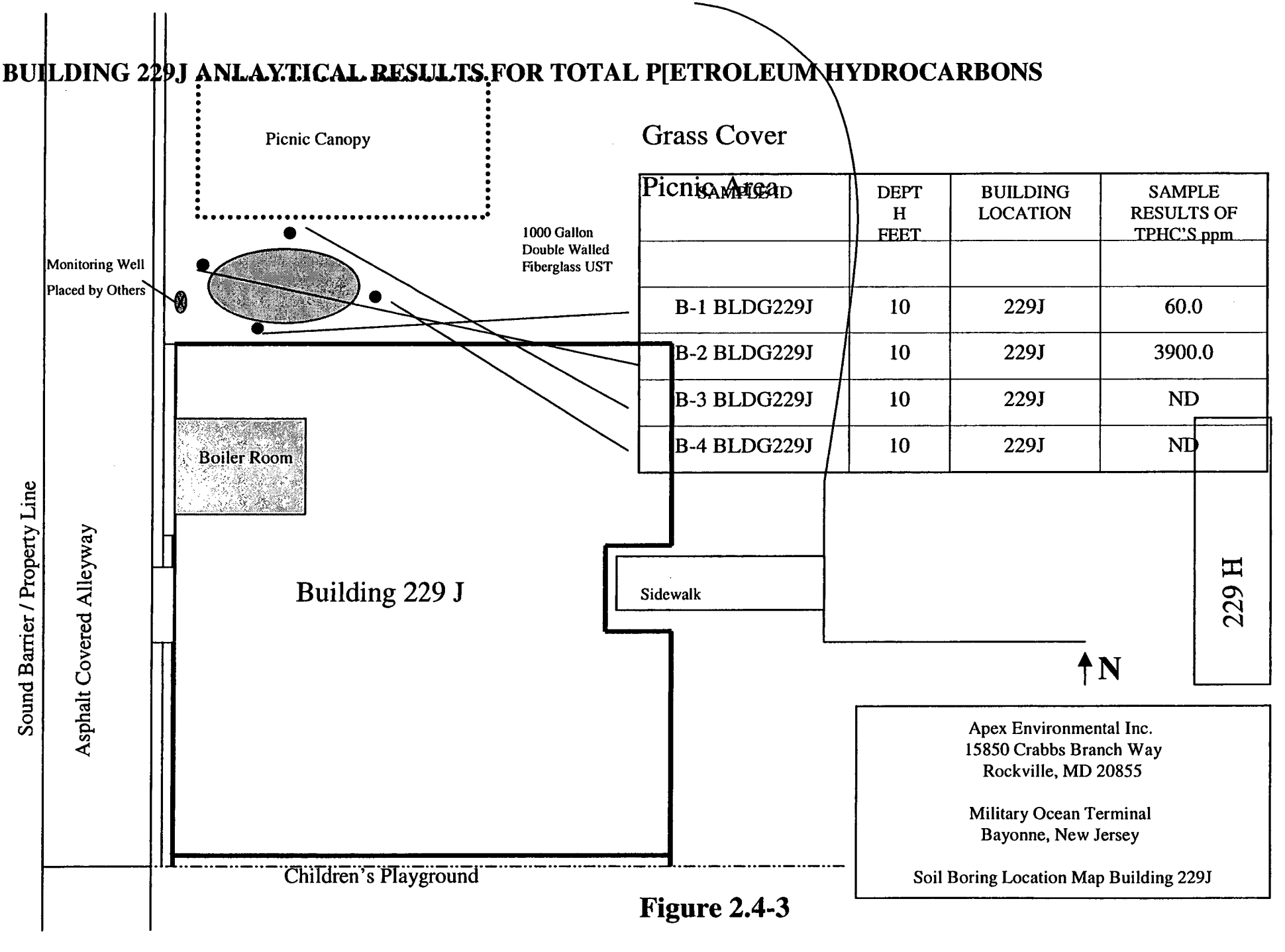

Picnic Canopy
Grass Cover
Picnic Area
1000 Gallon
Double Walled
Fiberglass UST
Monitoring Well
Placed by Others
Feed and Return Lines
Vent Pipe
Boiler Room
Building 229 J
Sidewalk
229 H
Sound Barrier / Property Line
Asphalt Covered Alleyway
Children's Playground
N
0'
Asphalt/Grass
1'
Fill, Silty Sand and
2'Rounded Stone
3'
Pea Gravel
Silty Sand
4'
Silty San
5'
Pocket of
Clay
6'
7'
Silty Sand &
Intermittent
Stone
8'
Fill Port
Sump
Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855
Military Ocean Terminal
Bayonne, New Jersey
Site Layout Map Building 229J

Figure 2.4-2

BUILDING 229J ANLAYTICAL RESULTS FOR TOTAL P[ETROLEUM HYDROCARBONS



SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS OF TPHC'S ppm
B-1 BLDG229J	10	229J	60.0
B-2 BLDG229J	10	229J	3900.0
B-3 BLDG229J	10	229J	ND
B-4 BLDG229J	10	229J	ND

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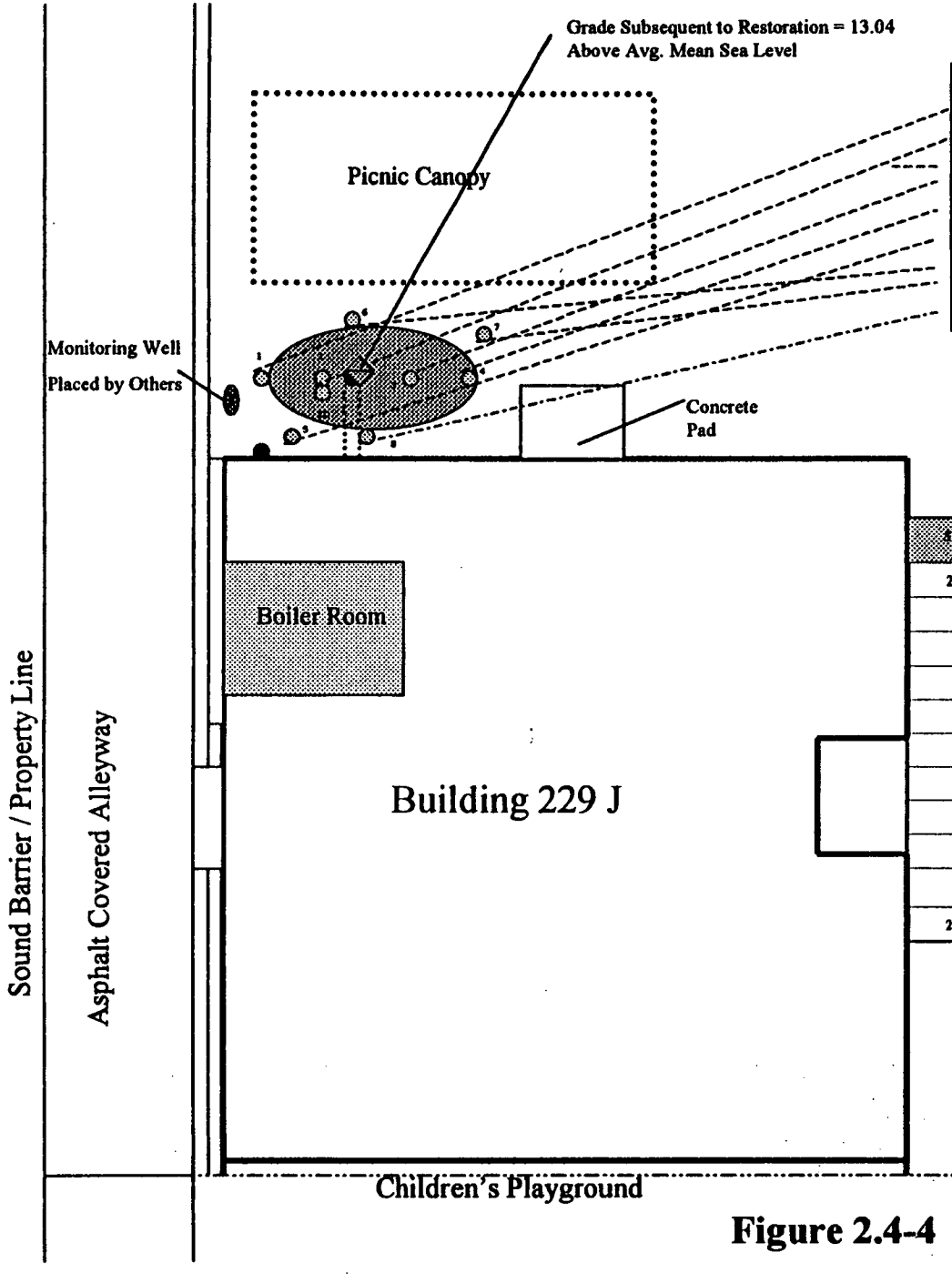
Bayonne, New Jersey

Soil Boring Location Map Building 229J

Figure 2.4-3



BUILDING 229J
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis
Summary
July 24, 2000

Sample ID Number	Date of Sampling	Depth	TPHC Result (ppm)
229J-01	July 24, 2000	7.25'	13,000.0
229J-02	July 24, 2000	7.25'	4,900.0
229J-02D	July 24, 2000	7.25'	8,800.0
229J-03	July 24, 2000	7.00'	6,800.0
229J-04	July 24, 2000	7.00'	6,000.0
229J-05	July 24, 2000	7.25'	9,800.0
229J-06	July 24, 2000	7.00'	9,200.0
229J-07	July 24, 2000	7.00'	6,000.0
229J-08	July 24, 2000	3.25(piping)'	330.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

Soil Sampling Results
Volatile Organic Compounds Analysis Summary
July 24, 2000

Sample ID Number	Date of Sampling	Depth	Result (ppb)	Compound Detected (ppm)	MDPP EPA SW-846 (ppm)
229J-01A	7-24-00	7.25'	38.7	Naphthalene,decahydro -trans-	
			29.3	Bicyclo(4,1,0)heptane	
			35.2	Naphthalene,decahydro -2-methy	
			50.2	Naphthalene,decahydro -2-methy	
			40.8	Dodecane,6-methyl	
			25.3	Naphthalene,decahydro -2,6-dimethy-	
			25.1	Benzene, 1,3-diethyl-5-methyl	
			44.9	Benzene, (1-ethylbutyl)	
			35.0	Naphthalene,decahydro -2,6dimethyl	
			23.4	1H-Indene,2,3-dihydro-1,1,3-trimethyl	
229J-07A		7.00	21.6		

Apex Environmental Inc.
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Military Ocean Terminal
Bayonne, New Jersey

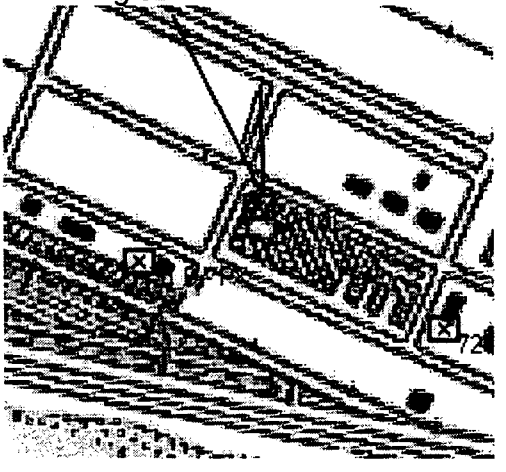
Sample Location Map Building 229J

Figure 2.4-4

2.5 Building 82 (TOC) – One 1,000-gallon USTs

Building 82 (TOC) is located in the central region of the installation. The building is irregularly shaped and can be described as housing the main administrative offices of the installation. The building is located directly north of the main access road, specifically, Constitution Avenue. In the northwestern corner of the facility is an alley, which leads to a diesel-fired backup generator enclosed in a shed. The diesel was stored in a 1,000-gallon double walled fiberglass tank located directly north of the shed under an asphalt-paved driveway.

Figure 2.5-1 Building 82



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the UST. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.5-2 and 2.5-3 and Table 2.5-A and 2.5-B for sample location and analysis.

Apex began closure activities at Building 82 on July 27, 2000. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 45 gallons of oily/water mixture and sludge from the UST(Manifest # 287328). Once the tanks contents were removed, excavation activities began. The asphalt covering the tank was placed in a roll-off container, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the overburden was removed, the tank

was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. Apex personnel segregated the clean pea gravel and overburden by method of visual observations and PID screening. During the removal activities visually contained soils and elevated PID readings were detected. Approximately 8 tons of contaminated soils were removed from the excavation. The soil was staged on 6-mil plastic pending transportation and disposal. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore Maryland. Please refer to Figure 2.5-2 and 2.5-3 and Table 2.5-A and 2.5-B for sample location and analysis.

The clean overburden and pea gravel not found to demonstrate elevated concentrations of volatile organics were utilized for backfill. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was graded with top-soil supplied by Durable Materials of Bayonne, New Jersey. Finally, the area was brought to grade with asphalt.

It should be noted that all of the associated tank system piping as well as the alarm equipment were removed from the shed housing the generator. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.5-A - Soil Sample Survey, Pipe Trench
Table 2.5-B - Soil Sampling Results

Figure 2.5-2 - Site Location Map
Figure 2.5-3 - Soil Borings Location Map 82
Figure 2.5-4 - Sample Location Map 82

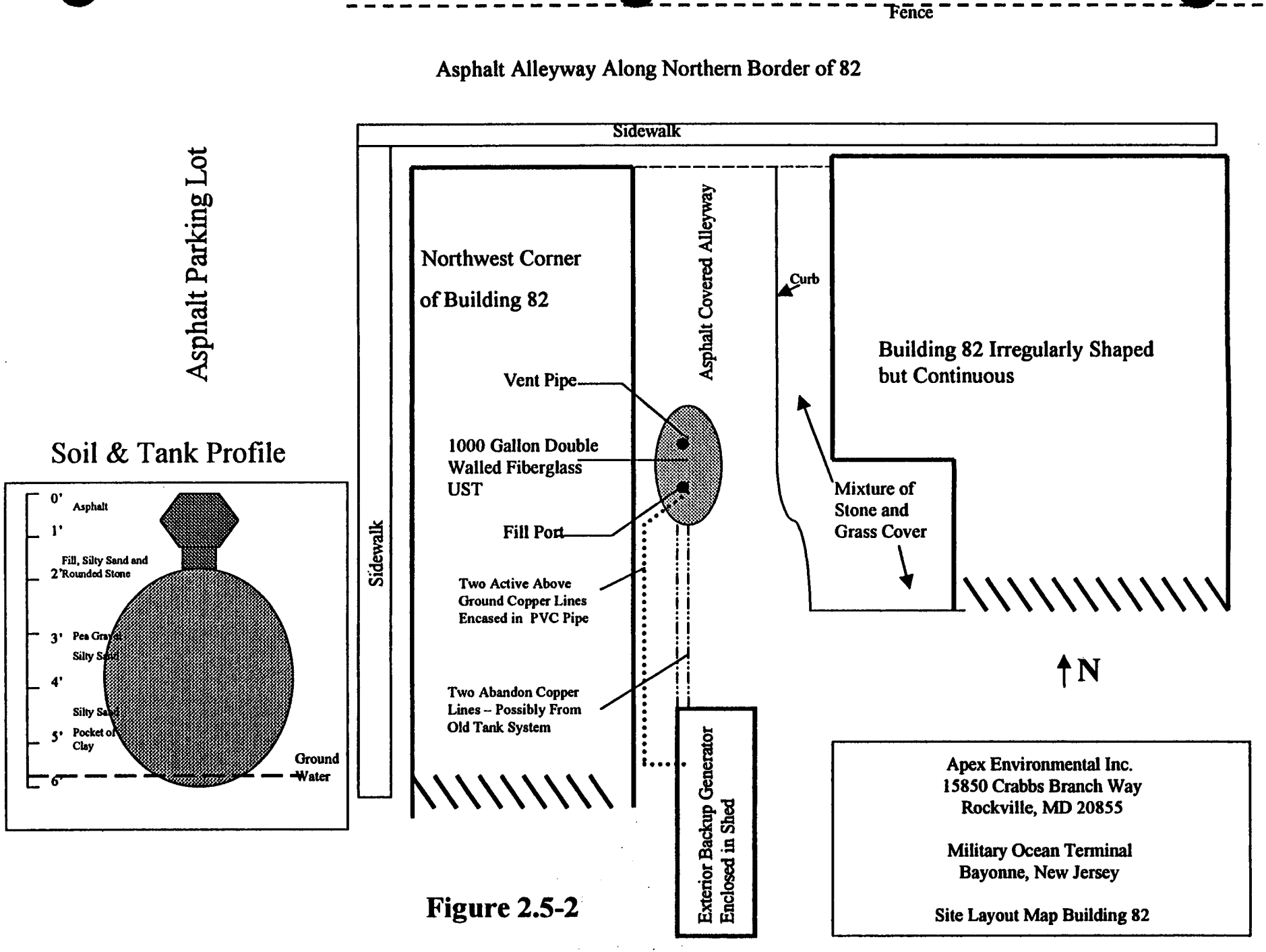
BUILDING 82 TOC
Table 2.5-A
Soil Sampling Survey, Pipe Trench
July 27, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
82TOC-01	5.75'	TPHC	000014988
82TOC-01A	5.75'	Pending VO+10	
82TOC-02	5.75'	TPHC	000014989
82TOC-02A	5.75'	Pending VO+10	
82TOC-02D	5.75'	TPHC	000014990
82TOC-02DA	5.75'	Pending VO+10	
82TOC –03	5.75'	TPHC	000014991
82TOC-03A	5.75'	Pending VO+10	
82TOC-04	5.75'	TPHC	000014992
82TOC-04A	5.75'	Pending VO+10	
82TOC-05	5.75'	TPHC	000014993
82TOC-05A	5.75'	Pending VO+10	
82TOC-06	5.75'	TPHC	000014994
82-TOC06A	5.75'	Pending VO+10	
82TOC-07	5.75'	TPHC	000014995
82TOC-07A	5.75'	Pending VO+10	
82TOC-08	5.75'	TPHC	000014996
82TOC-08A	5.75'	Pending VO+10	
82TOC-09	5.75'	TPHC	000014997
82TOC-09A	5.75'	Pending VO+10	

BUILDING 82 TOC
Table 2.5-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 27, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
82TOC-01	July 27, 2000	6.75'	26.0
82TOC-02	July 27, 2000	6.75'	31.0
82TOC-02D	July 27, 2000	6.75'	27.0
82TOC-03	July 27, 2000	6.75'	38.0
82TOC-04	July 27, 2000	6.75'	27.0
82TOC-05	July 27, 2000	6.75'	36.0
82TOC-06	July 27, 2000	6.75'	24.0
82TOC-07	July 27, 2000	6.75'	210.0
82TOC-08	July 27, 2000	6.75'	23.0
82TOC-09	July 27,2000	6.75'	56.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.


Fence
Asphalt Alleyway Along Northern Border of 82
Asphalt Parking Lot
Sidewalk
Northwest Corner
of Building 82
Asphalt Covered Alleyway
Curb
Building 82 Irregularly Shaped
but Continuous
Vent Pipe
1000 Gallon Double
Walled Fiberglass
UST
Fill Port
Two Active Above
Ground Copper Lines
Encased in PVC Pipe
Two Abandon Copper
Lines – Possibly From
Old Tank System
Sidewalk
Exterior Backup Generator
Enclosed in Shed
Mixture of
Stone and
Grass Cover
N
Soil & Tank Profile
0'
Asphalt
1'
Fill, Silty Sand and
2' Rounded Stone
3'
Pea Gravel
Silty Sand
4'
Silty Sand
5'
Pocket of
Clay
Ground
Water
6'
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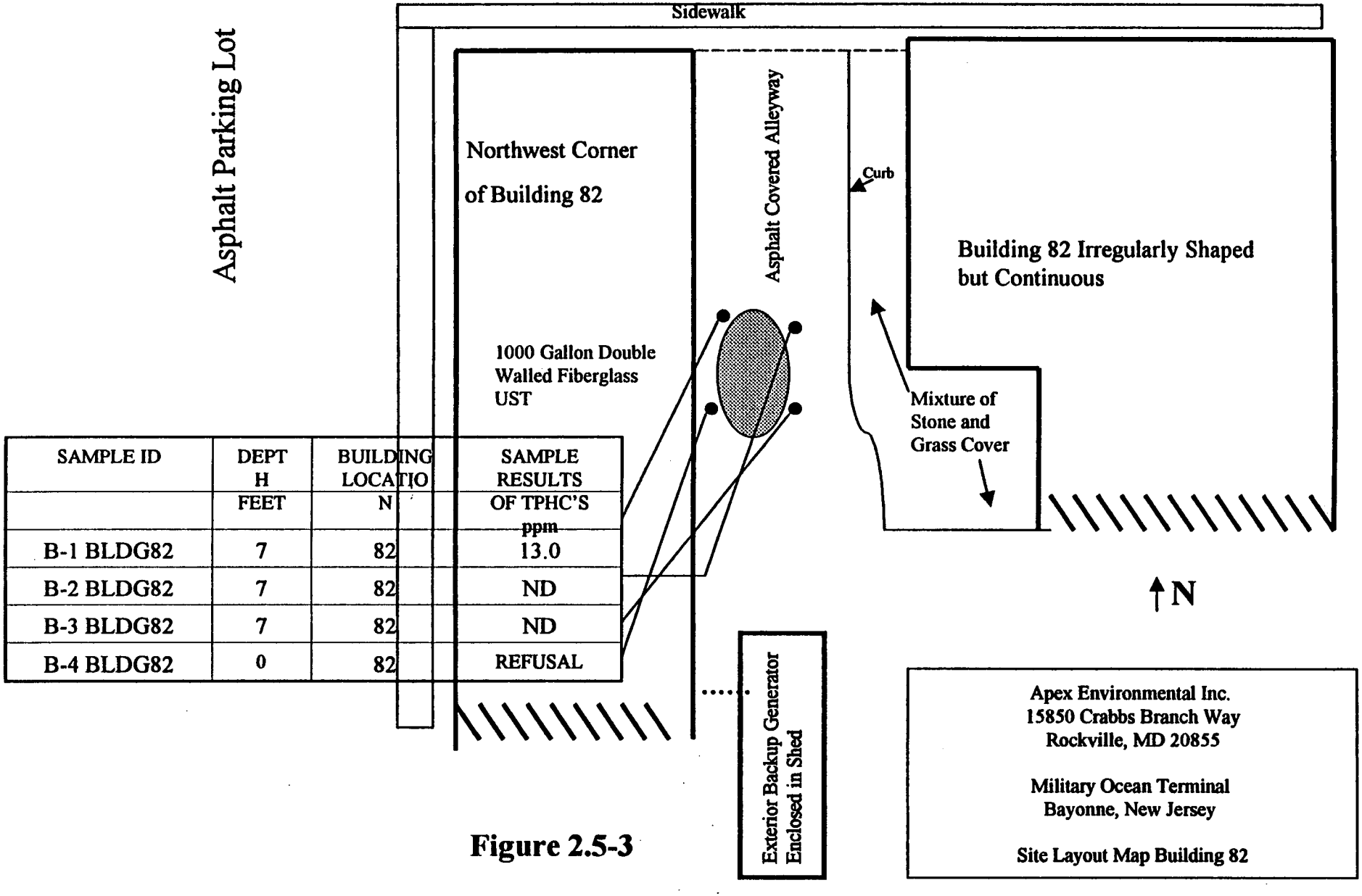
Rockville, MD 20855
Military Ocean Terminal
Bayonne, New Jersey
Site Layout Map Building 82

Figure 2.5-2

Fence

Asphalt Alleyway Along Northern Border of 82



SAMPLE ID	DEPTH	BUILDING LOCATION	SAMPLE RESULTS
	FEET	N	OF TPHC'S ppm
B-1 BLDG82	7	82	13.0
B-2 BLDG82	7	82	ND
B-3 BLDG82	7	82	ND
B-4 BLDG82	0	82	REFUSAL

Figure 2.5-3

Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 27, 2000

Sample ID Number	Date of Sampling	Depth	TPHC Result (ppm)
82TOC-01	July 27, 2000	6.75'	26.0
82TOC-02	July 27, 2000	6.75'	31.0
82TOC-02D	July 27, 2000	6.75'	27.0
82TOC-03	July 27, 2000	6.75'	38.0
82TOC-04	July 27, 2000	6.75'	27.0
82TOC-05	July 27, 2000	6.75'	36.0
82TOC-06	July 27, 2000	6.75'	24.0
82TOC-07	July 27, 2000	6.75'	210.0
82TOC-08	July 27, 2000	3.75'	23.0
82TOC-09	July 27,2000	3.75'	56.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

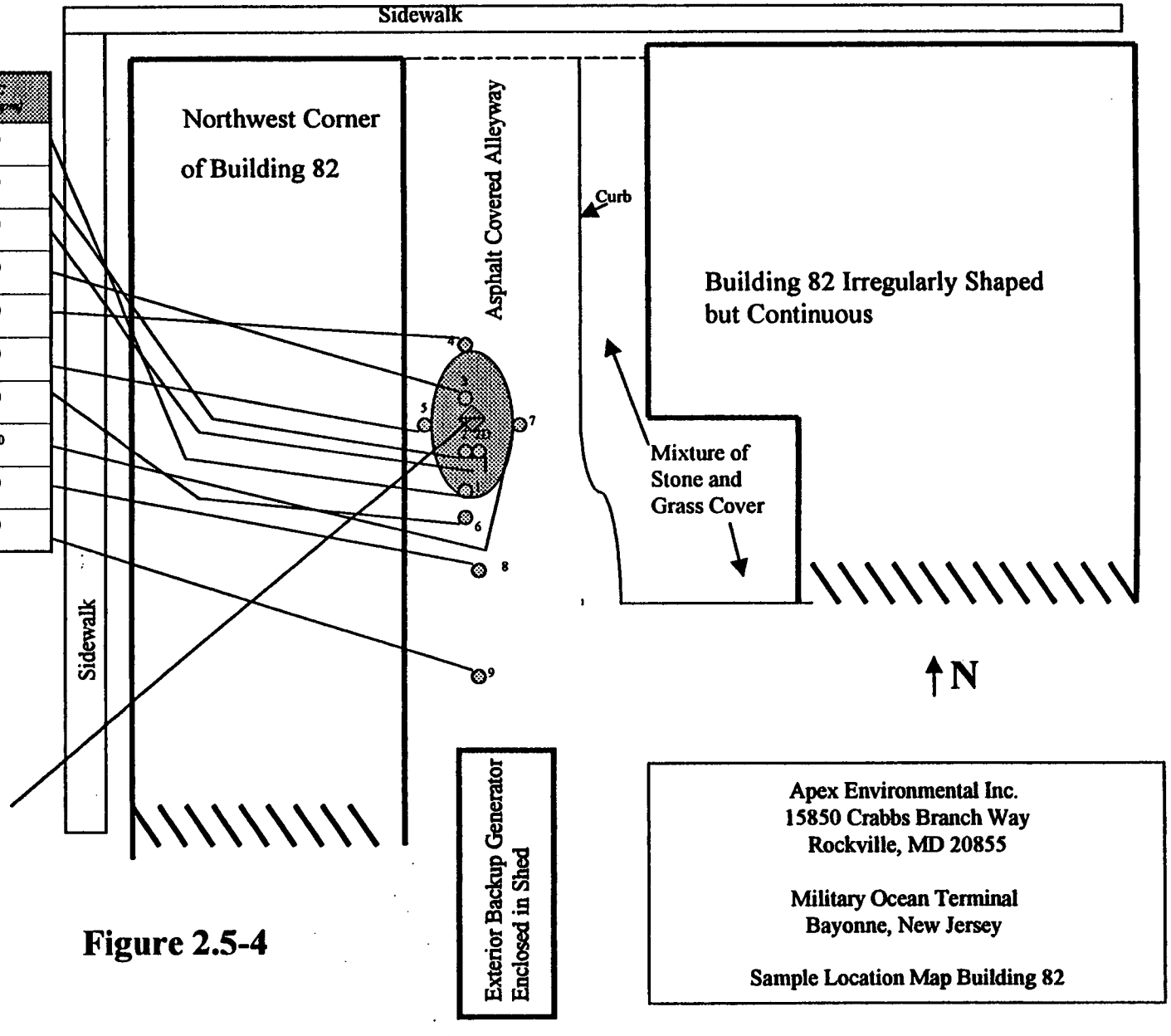
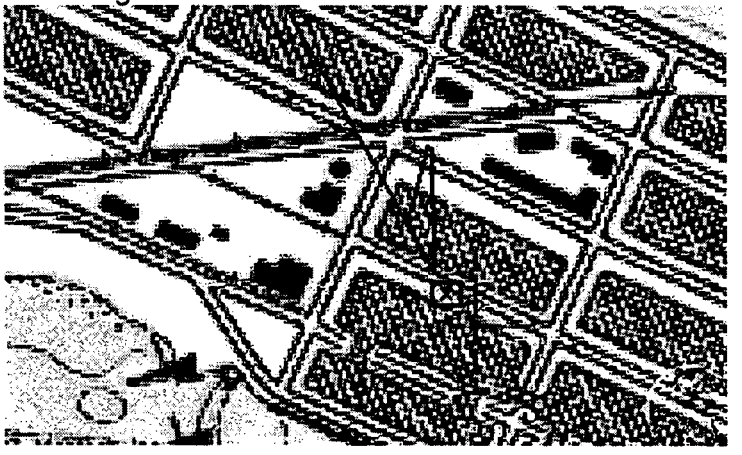


Figure 2.5-4

2.6 Building 42 N – One 2,500-gallon USTs

Building 42 is located in the central/southeastern region of the installation. The building is rectangular in shape and can be best described as a warehouse with administrative offices. This large building is approximately five stories with a crawl space extending the length of the building. The southern exterior wall of the structure, which faces the New York Harbor, is approximately 150 feet from the shoreline. The subject tank is located at the midpoint of the building along its northern exterior wall, approximately 15 feet from the attached loading dock. The tank system ran beneath an adjacent railroad spur and was situated below an asphalt access road. The 2,500-gallon UST was connected, via underground and aboveground piping, to a 100-gallon day tank, situated adjacent to the diesel-fired backup generator for the complex.

Figure 2.6-1 Building 42



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the UST. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.6-2 and 2.6-3 and Table 2.6-A and 2.6-B for sample location and analysis.

Apex began closure activities at Building 42 on July 20, 2000. On July 17, 2000, Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed

1,500 gallons of oily/water mixture and sludge from the UST (Manifest 289792). Due to a storm and the pitch of the asphalt located in the area of the underground storage tank storm water entered the tank. On July 20, 2000, Lorco Petroleum removed 1,200 gallons of storm water from the UST (289749). Once the tanks contents were removed, excavation activities began. The asphalt covering the tank was placed in a roll-off container, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. The overburden was removed and the tank was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. During the removal activities no visually contained soils and/or elevated PID readings were detected. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.6-2 and 2.6-3 and Table 2.6-A and 2.6-B for sample location and analysis.

The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. Finally, the area was brought to grade with asphalt.

It should be noted that all of the associated tank system piping as well as the alarm equipment were removed from the shed housing the generator. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.6-A - Soil Sample Survey, Pipe Trench
Table 2.6-B - Soil Sampling Results

Figure 2.6-2 - Site Location Map
Figure 2.6-3 - Soil Borings Location Map 42
Figure 2.6-4 - Sample Location Map 42

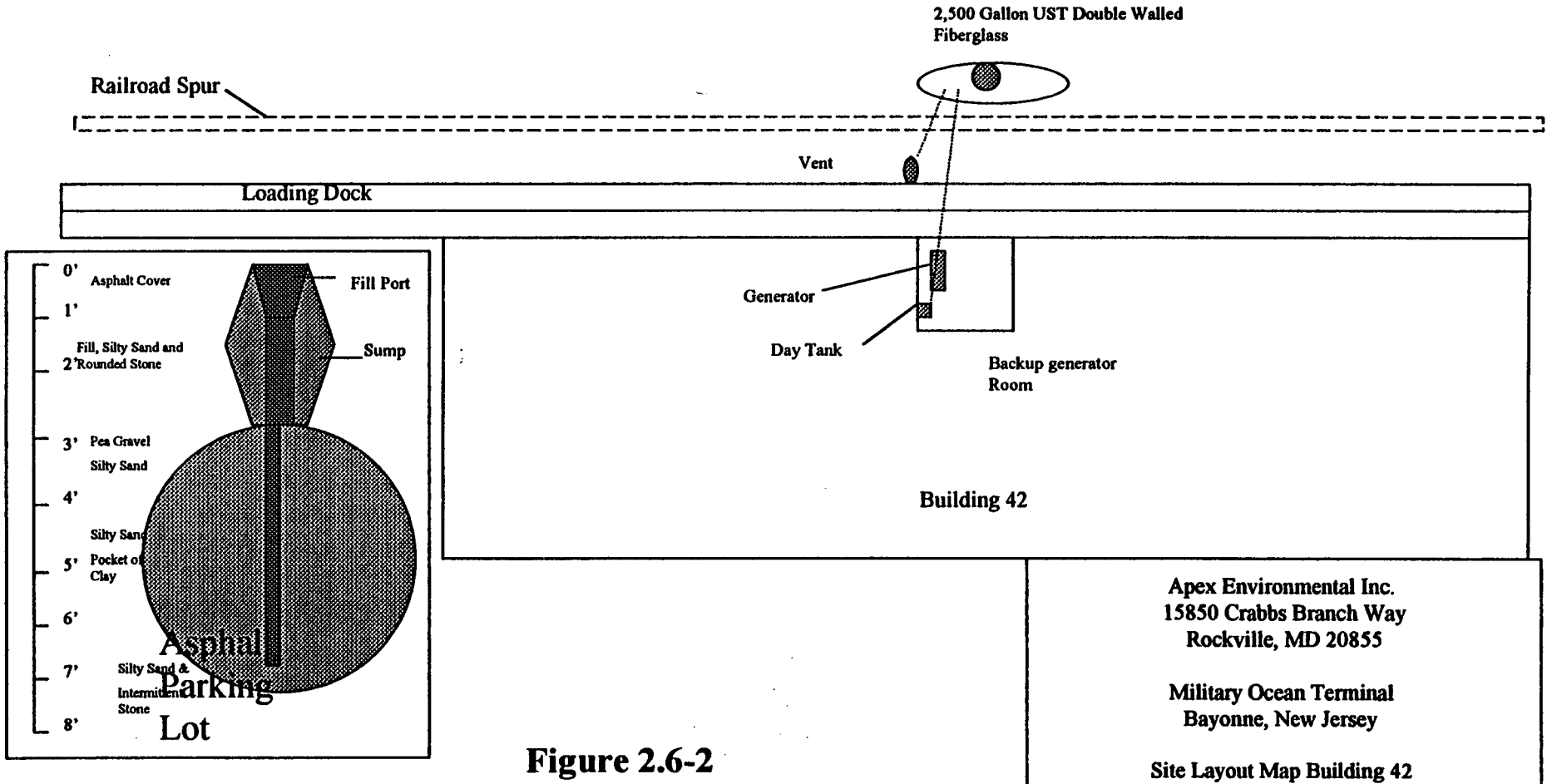
BUILDING 42
Table 2.6-A
Soil Sampling Survey
July 24, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
42N-001	6.75'	TPHC	000014661
42N-001A	6.75'	Pending VO+10	
42N-002	6.75'	TPHC	000014662
42N-002A	6.75'	Pending VO+10	
42N-003	6.75'	TPHC	000014663
42N-003A	6.75'	Pending VO+10	
42N-004	6.75'	TPHC	000014664
42N-004A	6.75'	Pending VO+10	
42N-005	6.75'	TPHC	000014665
42N-005A	6.75'	Pending VO+10	

BUILDING 42
Table 2.6-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 24, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
42N-001	July 24, 2000	6.75'	23.0
42N-002	July 24, 2000	6.75'	14.0
42N-003	July 24, 2000	6.75'	19.0
42N-004	July 24, 2000	6.75'	15.0
42N-005	July 24, 2000	6.75'	12.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.


Building
2,500 Gallon UST Double Walled Fiberglass
Railroad Spur
Vent
Loading Dock
Generator
Day Tank
Backup generator Room
Building 42
0'
Asphalt Cover
1'
Fill, Silty Sand and Rounded Stone
2'
3'
Pea Gravel
Silty Sand
4'
Silty Sand
5'
Pocket of Clay
6'
7'
Silty Sand & Intermittent Stone
8'
Fill Port
Sump
Asphal
Parking
Lot
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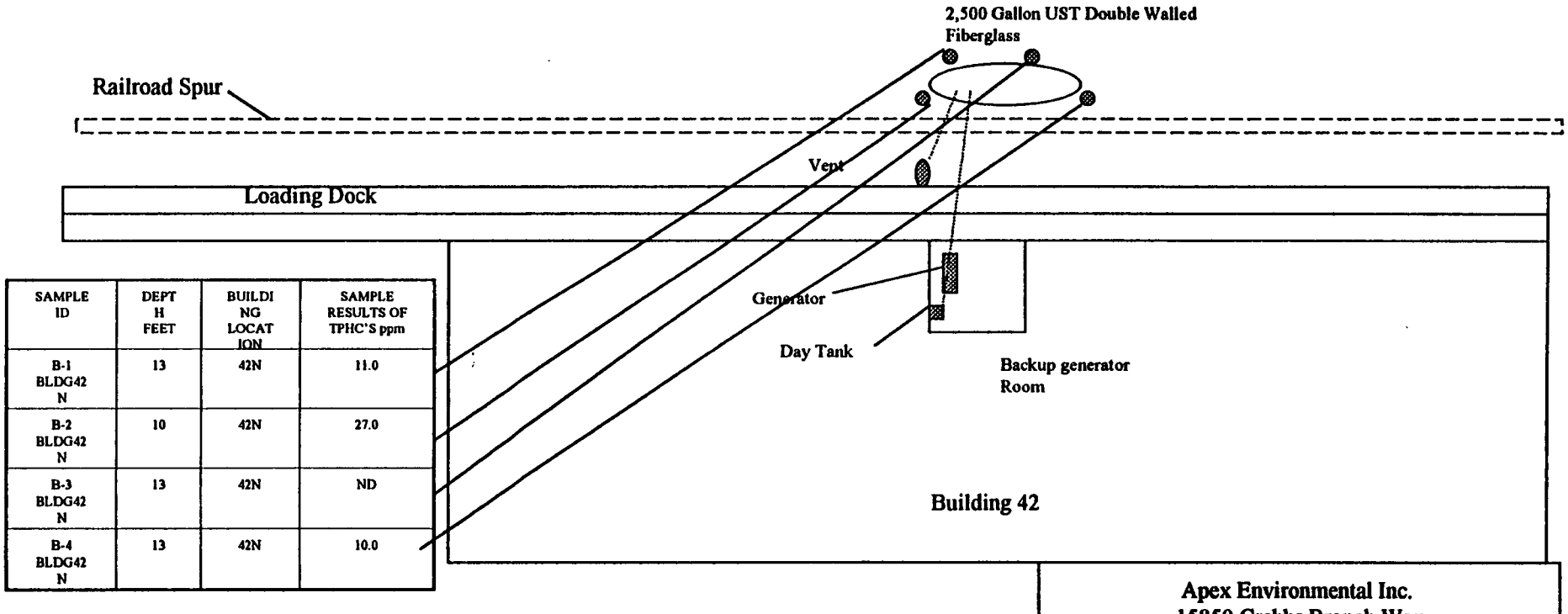
Military Ocean Terminal
Bayonne, New Jersey
Site Layout Map Building 42

Figure 2.6-2

Building



SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS OF TPHC'S ppm
B-1 BLDG42 N	13	42N	11.0
B-2 BLDG42 N	10	42N	27.0
B-3 BLDG42 N	13	42N	ND
B-4 BLDG42 N	13	42N	10.0

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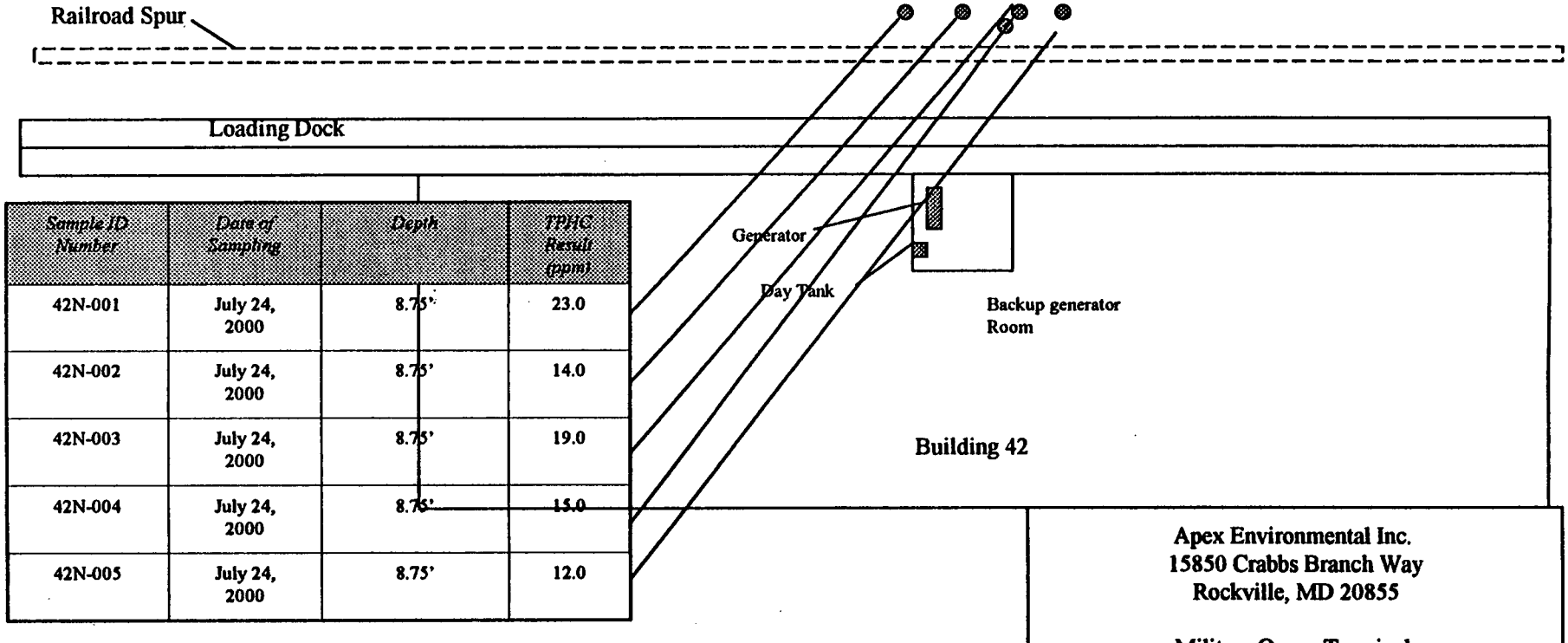
Bayonne, New Jersey

Boring Location Map Building 42

Figure 2.6-3

Building



Sample ID Number	Date of Sampling	Depth	TPHC Result (ppm)
42N-001	July 24, 2000	8.75'	23.0
42N-002	July 24, 2000	8.75'	14.0
42N-003	July 24, 2000	8.75'	19.0
42N-004	July 24, 2000	8.75'	15.0
42N-005	July 24, 2000	8.75'	12.0

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Military Ocean Terminal
Bayonne, New Jersey

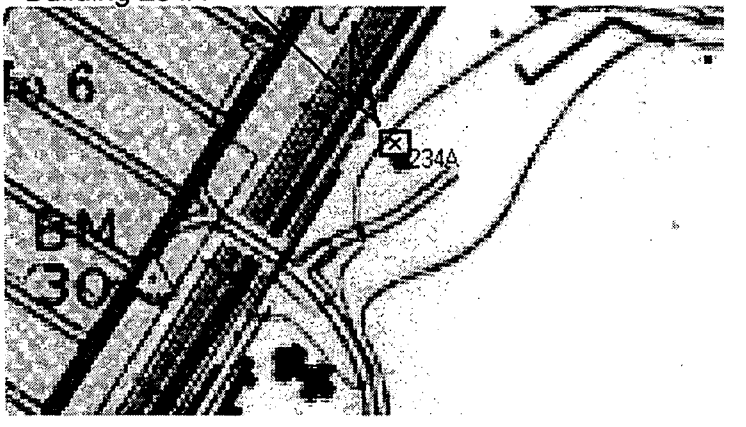
Soil Sampling Map Building 42

Figure 2.6-4

2.7 Building 234A (Commander's Residence) – One 1,000-gallon USTs

Building 234 A is located in the northeastern region of the installation, north of the main access gate of the facility. The two-story structure was utilized as a residential dwelling for the installations commander. The building contained an oil-fired boiler located in a closet in the main kitchen. Number 2-fuel oil was stored in a 1,000-gallon double walled fiberglass tank located along the western exterior wall of the building.

Figure 2.7-1 Building 234A



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the UST. Each boring was extended to a depth of approximately 10 feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.7-2 and 2.7-3 and Table 2.7-A and 2.7-B for sample location and analysis.

Apex began closure activities at Building 234A on July 27, 2000. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 45-gallons of oily/water mixture and sludge from the UST (Manifest 287328). Once the tanks contents were removed, excavation activities began. The concrete pad and asphalt covering the tank were placed in roll-off containers, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the overburden

was removed, the tank was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. During the removal activities, no visually contained soils and/or elevated PID readings were detected. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.7-2 and 2.7-3 and Table 2.7-A and 2.7-B for sample location and analysis.

The clean overburden soils and pea gravel previously found not to contain elevated concentrations of volatile organics were utilized for backfill. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was graded with topsoil supplied by Durable Materials of Bayonne, New Jersey. Seed and hay were spread on the affected area to limit soil migration.

It should be noted that all of the associated tank system piping as well as the alarm equipment were removed from the boiler room of the facility. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.7-A - Soil Sample Survey, Pipe Trench
Table 2.7-B - Soil Sampling Results

Figure 2.7-2 - Site Location Map
Figure 2.7-3 - Soil Borings Location Map 234A
Figure 2.7-4 - Sample Location Map 234A

BUILDING 234 A
Table 2.7-A
Soil Sampling Survey
July 27, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
234A-01	6.75'	TPHC	000014979
234A-01A	6.75'	Pending VO+10	
234A-02	6.75'	TPHC	000014980
234A-02A	6.75'	Pending VO+10	
234A-02D	6.75'	TPHC	000014981
234A-02DA	6.75'	Pending VO+10	
234A-03	6.75'	TPHC	000014982
234A-03A	6.75'	Pending VO+10	
234A-04	6.75'	TPHC	000014983
234A-04A	6.75'	Pending VO+10	
234A-05	6.75'	TPHC	000014984
234A-05A	6.75'	Pending VO+10	
234A-06	6.75'	TPHC	000014985
234A-06A	6.75'	Pending VO+10	
234A-07	6.75'	TPHC	000014986
234A-07A	6.75'	Pending VO+10	
234A-08	6.75'	TPHC	000014987
234A-08A	6.75'	Pending VO+10	

BUILDING 234A
Table 2.7-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 27, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
234A-01	July 27, 2000	6.75'	60.0
234A-02	July 27, 2000	6.75'	20.0
234A-02D	July 27, 2000	6.75'	32.0
234A-03	July 27, 2000	6.75'	26.0
234A-04	July 27, 2000	6.75'	14.0
234A-05	July 27, 2000	6.75'	50.0
234A-06	July 27, 2000	6.75'	11.0
234A-07	July 27, 2000	6.75'	20.0
234A-08	July 27, 2000	6.75'	19.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

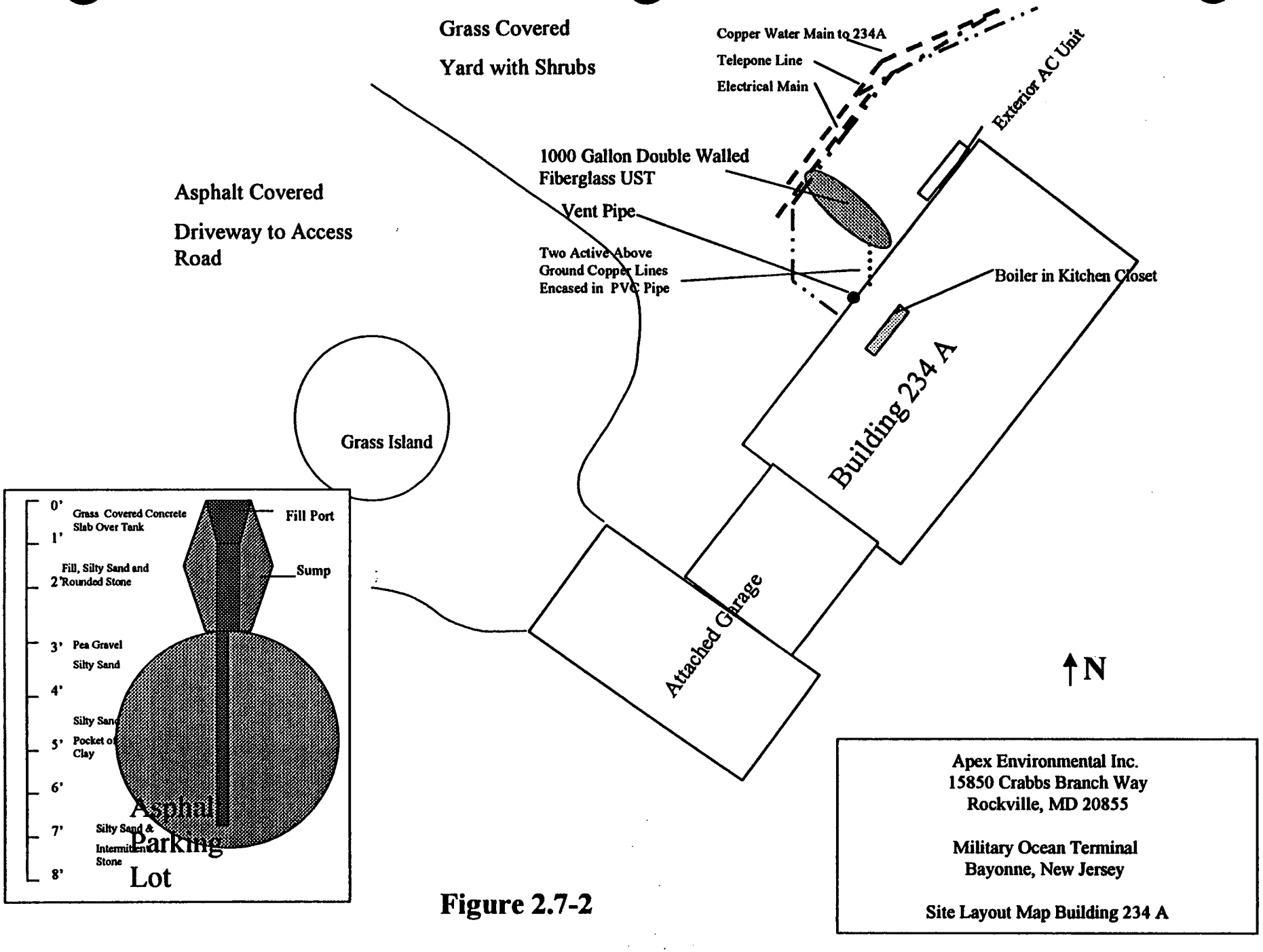


Figure 2.7-2

Apex Environmental Inc.
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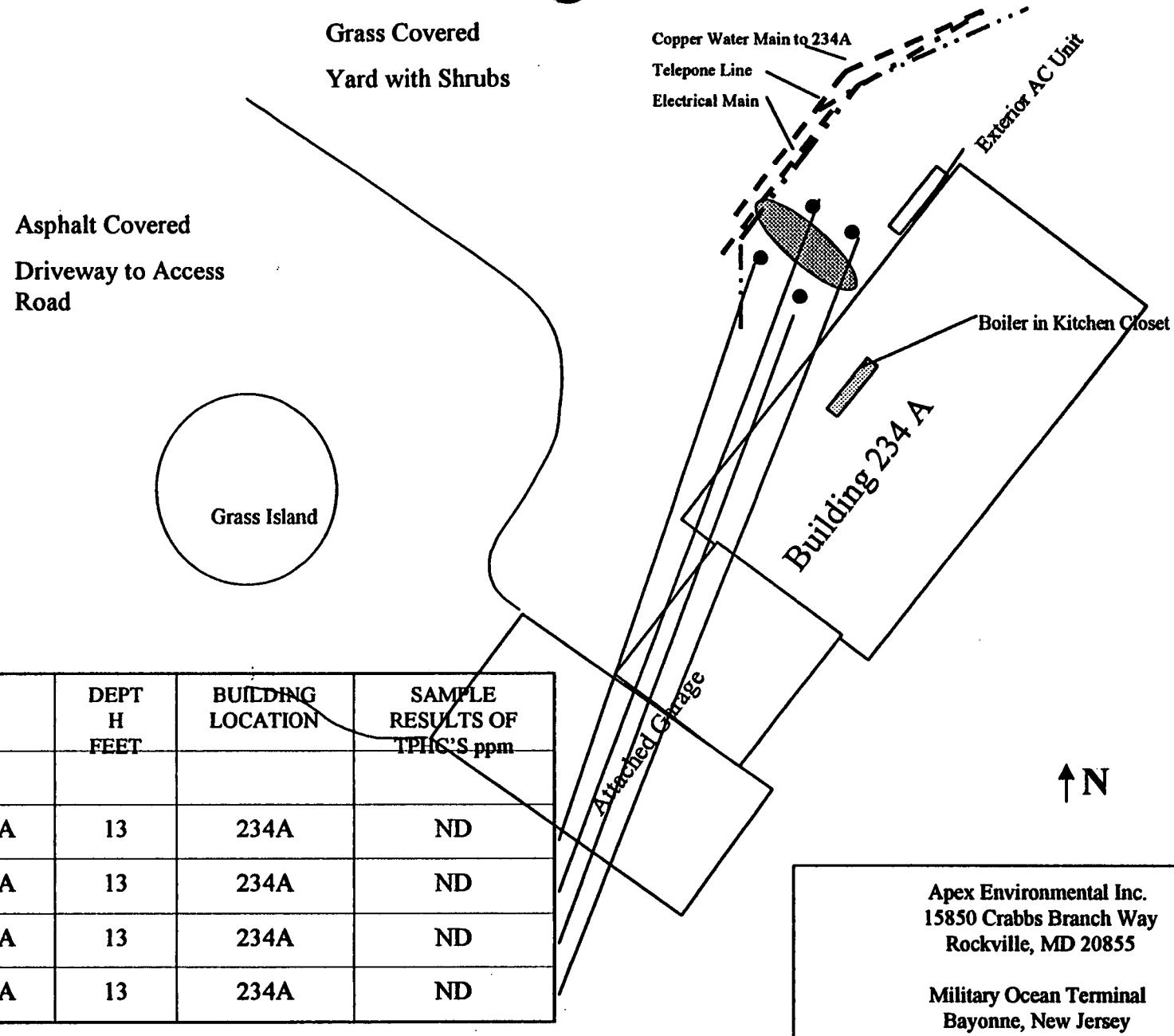
Bayonne, New Jersey

Site Layout Map Building 234 A



SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS OF TPHC'S ppm
B-1 BLDG234A	13	234A	ND
B-2 BLDG234A	13	234A	ND
B-3 BLDG234A	13	234A	ND
B-4 BLDG234A	13	234A	ND

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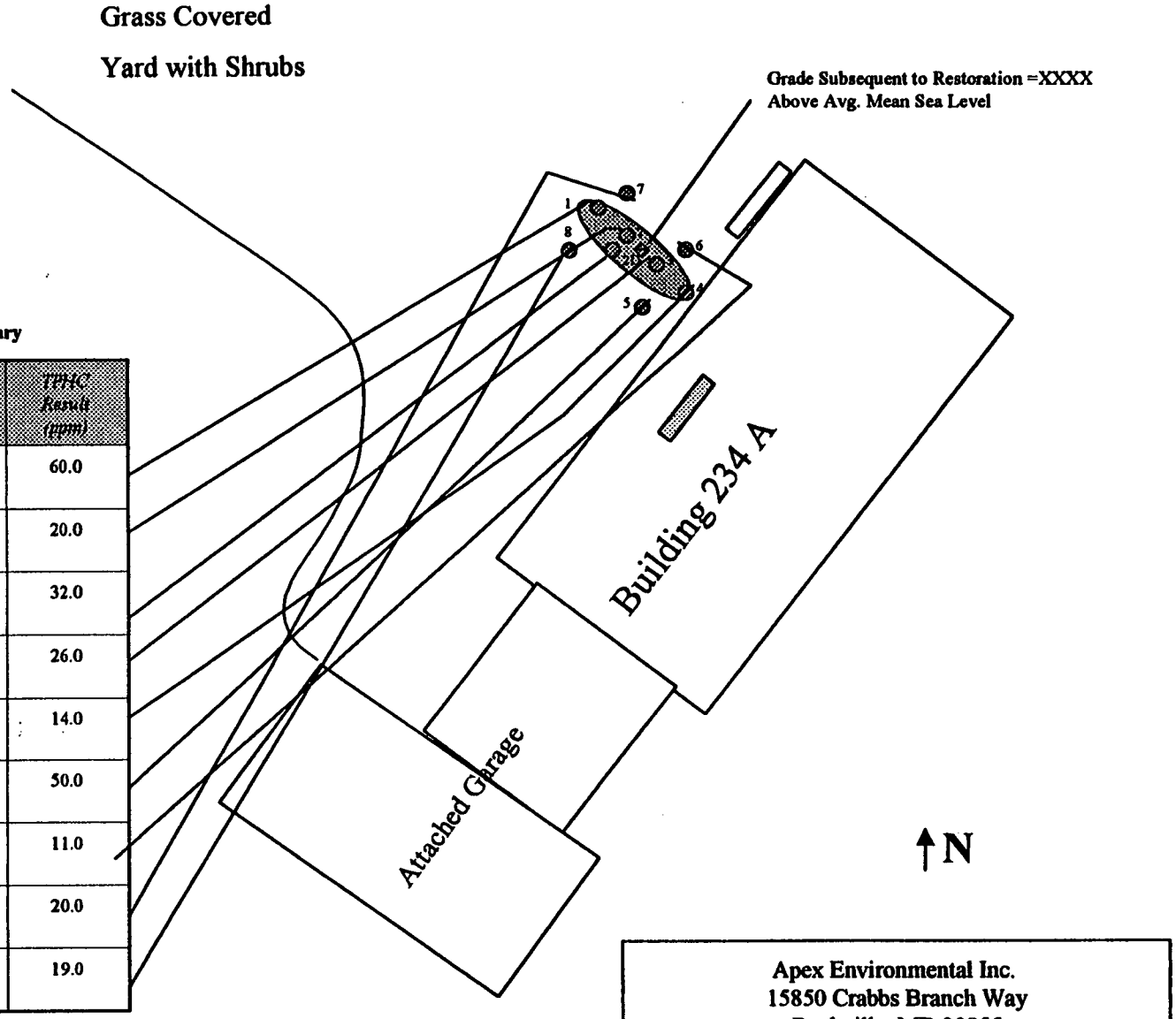
Bayonne, New Jersey

Boring Location Map Building 234 A

Figure 2.7-3



Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 27, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
234A-01	July 27, 2000	6.75'	60.0
234A-02	July 27, 2000	6.75'	20.0
234A-02D	July 27, 2000	6.75'	32.0
234A-03	July 27, 2000	6.75'	26.0
234A-04	July 27, 2000	6.75'	14.0
234A-05	July 27, 2000	6.75'	50.0
234A-06	July 27, 2000	6.75'	11.0
234A-07	July 27, 2000	6.75'	20.0
234A-08	July 27, 2000	6.75'	19.0

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

Figure 2.7-4

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

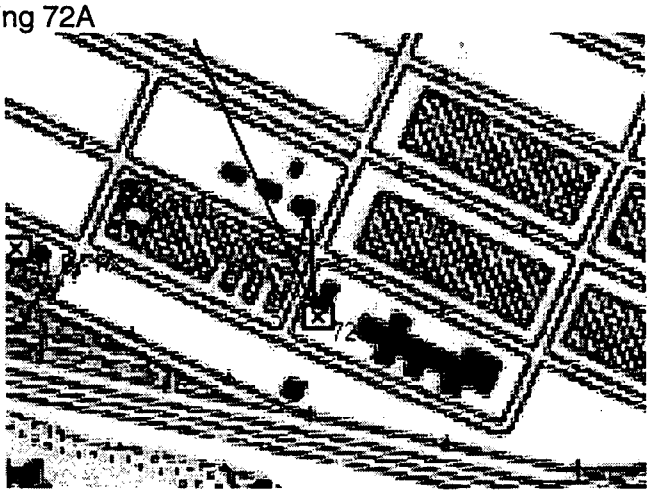
Military Ocean Terminal
Bayonne, New Jersey

Sample Location Map Building 234 A

2.8 Building 72A – One 50-gallon OWS

Building 72A is located in the central region of the installation. The building is located directly north of the main access road, specifically, Constitution Avenue. The building was once utilized for vehicle maintenance. In the southern most garage bay, a three-foot square drain exists, which leads to a 50-gallon oil water separator. The separator is located along the building's southern exterior wall. The oil water separator in turn was connected to a underground storage tank which was removed prior to our involvement in this project.

Figure 2.8-1 Building 72A



Prior to removal actions, in an effort to determine the extent of contamination, if any, Apex personnel performed soil-boring activities in the area of the oil water separator (OWS). Each boring was extended to a depth of seven feet. Soil samples were obtained and sent for analysis at a US Army Corp certified laboratory, specifically, Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.8-2 and 2.8-3 and Table 2.8-A and 2.8-B for sample location and analysis.

Apex began closure activities at Building 72 on July 28, 2000. No oily/water and/or sludge were located in the OWS. Once the tanks contents were removed, excavation activities began. The concrete pad and asphalt covering the tank were

placed in roll-off containers, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the overburden was removed, the tank was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of Chambersburg, P.A. During the removal activities, no visually contained soils and/or elevated PID readings were detected. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.8-2 and 2.8-3 and Table 2.8-A and 2.8-B for sample location and analysis.

The clean overburden soil was removed from above the OWS and the concrete pad was removed. Soils located directly beneath the OWS were stained and found to demonstrate slightly elevated PID readings. Approximately 3 tons of contaminated soils were removed from the excavation. The soil was staged on 6-mil plastic pending transportation and disposal. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was graded with topsoil supplied by Durable Materials of Bayonne, New Jersey. Seed and hay were spread on the affected area to limit soil migration.

Finally the drain located in the garage bay was flushed and cleaned. A concrete slurry was utilized to backfill the drain and piping. The drain was grouted with hand mixed concrete and left to set.

It should be noted that all of the associated tank system piping as well as the alarm equipment was removed from the boiler room of the facility. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.8-A - Soil Sample Survey, Pipe Trench
Table 2.8-B - Soil Sampling Results

Figure 2.8-2 - Site Location Map
Figure 2.8-3 - Soil Borings Location Map 72A
Figure 2.8-4 - Sample Location Map 72A

BUILDING 72A
Table 2.8-A
Soil Sampling Survey
July 27, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
72A-01	7.25'	TPHC	000014998
72A-01A	7.25'	Pending VO+10,BN+15,PCB's, PPM	
72A-02	7.25'	TPHC	000014999
72A-02A	7.25'	Pending VO+10,BN+15,PCB's, PPM	
72A-03	7.00'	TPHC	000015000
72A-03A	7.00'	Pending VO+10,BN+15,PCB's, PPM	
72A-04	7.00'	TPHC	000015001
72A-04A	7.00'	Pending VO+10,BN+15,PCB's, PPM	
72A-05	7.25'	TPHC	000015002
72A-05A	7.25'	Pending VO+10,BN+15,PCB's, PPM	
72A-06D	7.00'	TPHC	000015003
72A-06DA	7.00'	Pending VO+10,BN+15,PCB's, PPM	

BUILDING 72A
Table 2.8-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
July 27, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
72A-01	July 27, 2000	7.25'	**50.0**
72A-02	July 27, 2000	7.25'	**79.0**
72A-03	July 27, 2000	7.00'	**38.0**
72A-04	July 27, 2000	7.00'	**31.0**
72A-05	July 27, 2000	7.25'	**38.0**
72A-06D	July 27, 2000	7.00'	**88.0**

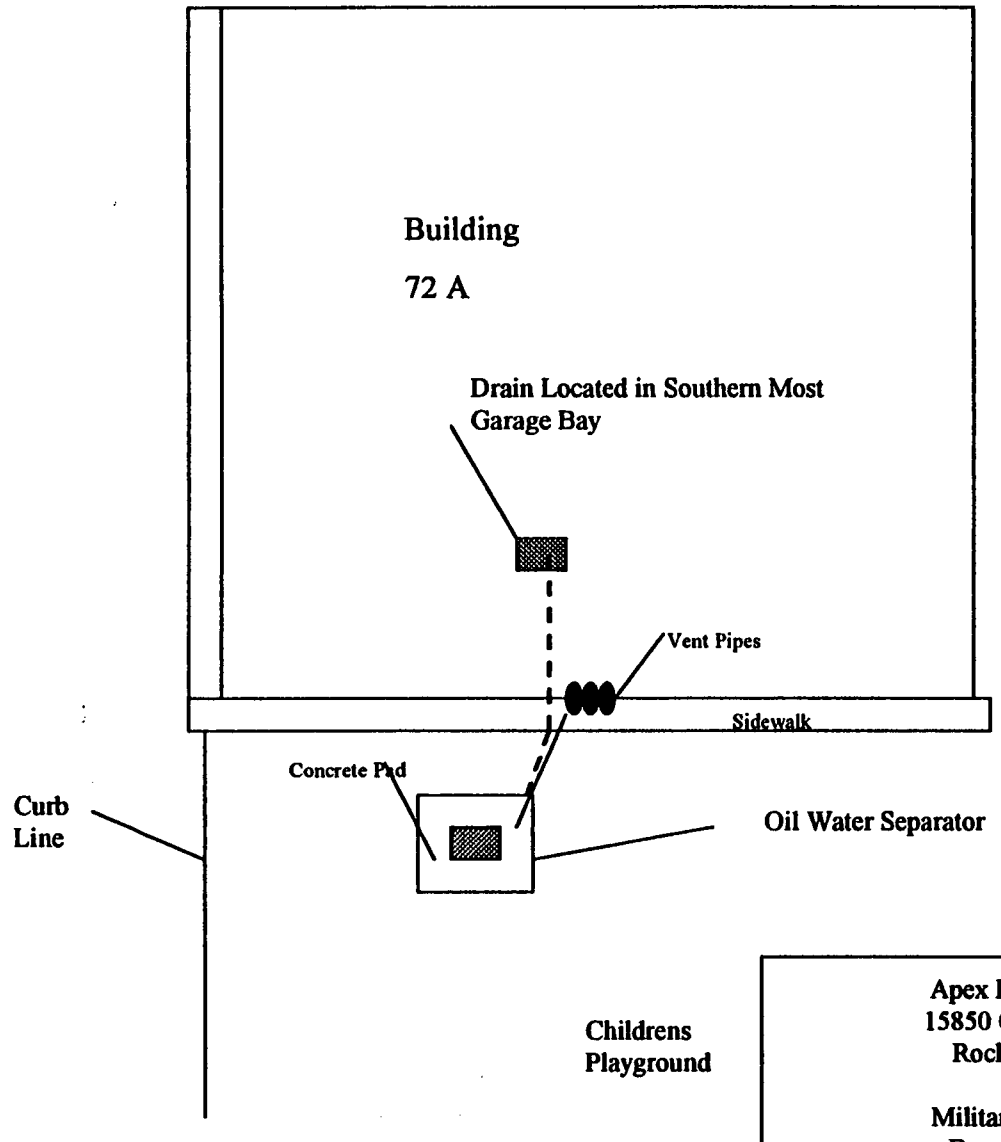
Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

Table 2.8-C
Soil Sampling Results
Heavy Metals Summary
July 27, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*Result (ppm)*	*Compound Detected (ppm)*	*NJDEP IGWSCC (ppm)*
72A-02A	7-27-00	7.25'	0.04	Mercury	
			0.34	Beryllium	
			13.0	Chromium	
			14.0	Copper	
			30.0	Lead	
			13.0	Nickel	
			64.0	Zinc	
72A-06DA		7.00	0.05	Mercury	
			9.7	Chromium	
			12.0	Copper	
			30.0	Lead	
			11.0	Nickel	
			56.0	Zinc	

Eastern Wall of Building 82

Parking Lot



Constitution Avenue

Figure 2.8-2

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Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 72 A

SAMPLE ID	DEPTH FEET	BUILDING LOCATION	SAMPLE RESULTS OF TPHC'S ppm
B-1 OWS	7	72A	3200.0
B-2 OWS	7	72A	ND
B-3 BLDG72A	7	72A	ND
B-4 BLDG72A	7	72A	ND

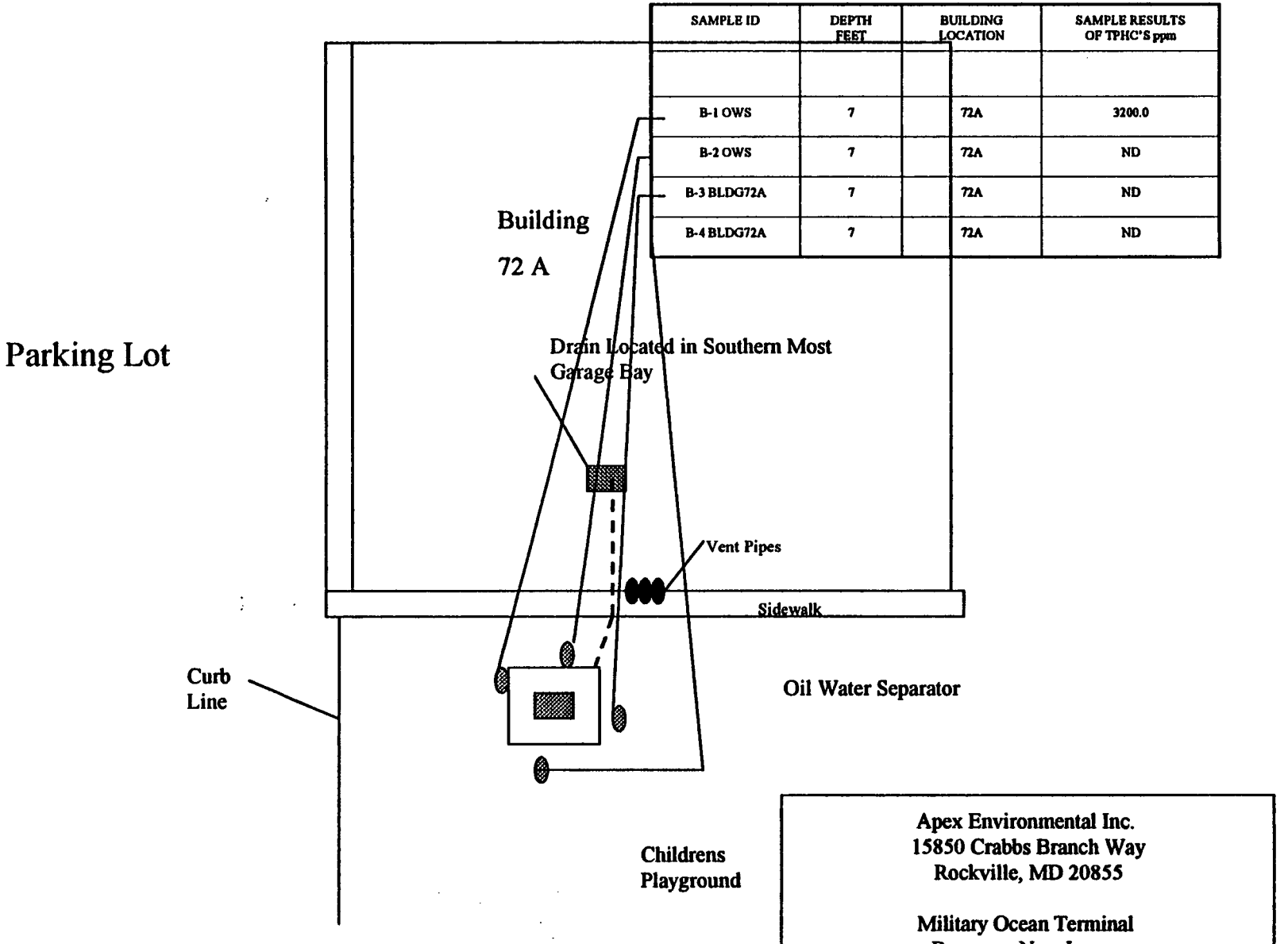


Figure 2.8-3

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

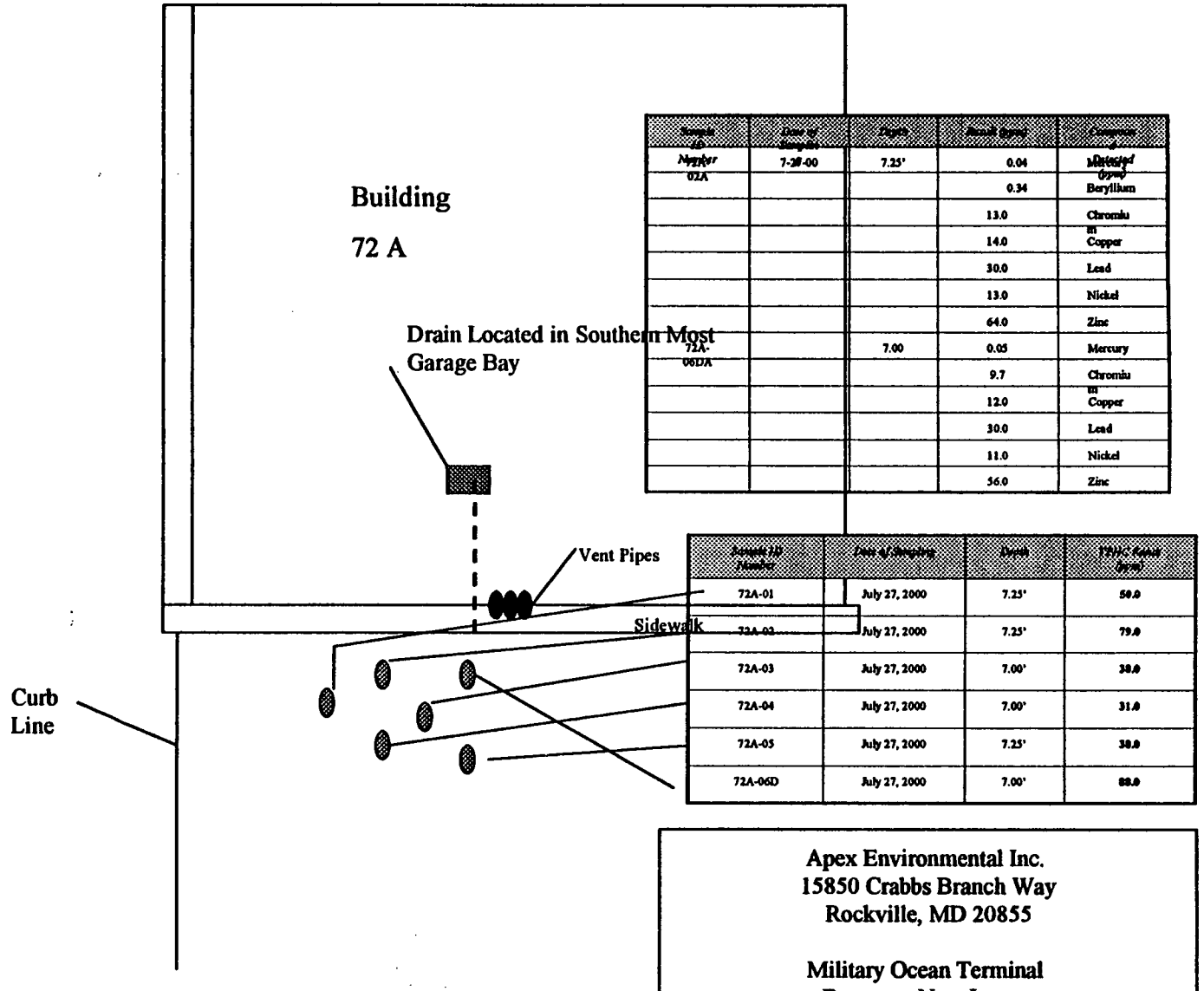
Military Ocean Terminal
Bayonne, New Jersey

Boring Location Map Building 72 A

Key:

Eastern Wall of Building 82

Parking Lot



Sample ID Number	Date of Sampling	Depth	Result (ppm)	Compound Detected
72A-02A	7-28-00	7.25'	0.04	Mercury
			0.34	Beryllium
			13.0	Chromium
			14.0	Copper
			30.0	Lead
			13.0	Nickel
			64.0	Zinc
72A-06DA		7.00	0.05	Mercury
			9.7	Chromium
			12.0	Copper
			30.0	Lead
			11.0	Nickel
			56.0	Zinc

Sample ID Number	Date of Sampling	Depth	PAH's Found (ppm)
72A-01	July 27, 2000	7.25'	50.0
72A-02	July 27, 2000	7.25'	79.0
72A-03	July 27, 2000	7.00'	38.0
72A-04	July 27, 2000	7.00'	31.0
72A-05	July 27, 2000	7.25'	38.0
72A-06D	July 27, 2000	7.00'	88.0

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Sample Location Map Building 72 A

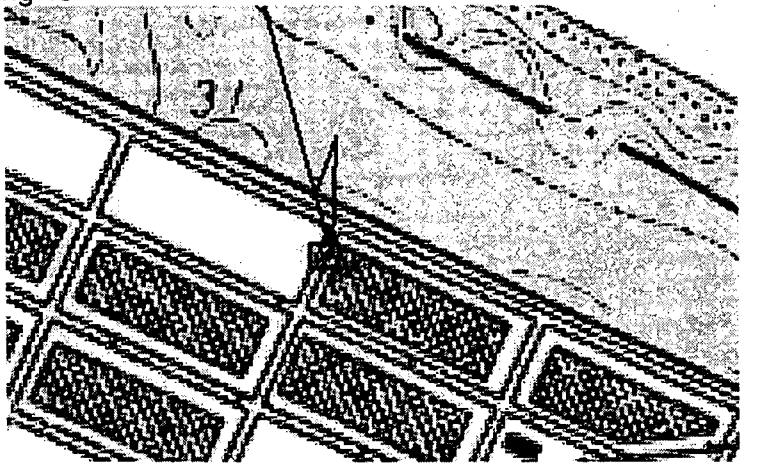
Constitution Avenue

Figure 2.8-4

2.9 Building 45 – One 50-gallon OWS and Associated 600-gallon UST

Building 45 is located in the north-central region of the installation. It is suspected that a portion of the building was utilized for vehicle maintenance. In the northern most garage bay, exists two - three foot square drains, which connect to a 75-gallon oil water separator. The separator is located along the building's western exterior wall. The oil water separator in turn was connected to a 600-gallon double walled fiberglass tank.

Figure 2.9-1 Building 45



Due to the fact that the subject tanks were added to the contract subsequent to the soil survey activities, no borings were placed around the tank or OWS.

Apex began closure activities at Building 45 on August 7, 2000. Lorco Petroleum of Sayreville, New Jersey, utilizing a vacuum truck, removed 250 gallons of oily/water mixture and sludge from the UST and OWS (Manifest 284741). Once the tanks contents were removed, excavation activities began. The concrete pads and asphalt covering the tank and OWS were placed in a roll-off container, pending transportation and disposal by Scerbo Brothers Inc. of Bayonne, New Jersey. Once the overburden was removed, the tank was excavated and staged on 6-mil plastic pending transportation and disposal by Tri-State Salvage & Trucking Co., of

Chambersburg, P.A. During the removal, no visually impacted soils were observed below the tank. The soil was screened utilizing a PID reading. Soil samples were obtained and sent for analysis to Gascoyne Laboratories, Inc. of Baltimore, Maryland. Please refer to Figure 2.9-2 and 2.9-3 and Table 2.9-A and 2.9-B for sample location and analysis.

The clean overburden soil was removed from above the OWS and the concrete pad was removed. Soils located directly beneath the OWS were stained and found to demonstrate elevated PID readings. Approximately 5 tons of contaminated soils were removed from the excavation. The soil was staged on 6-mil plastic pending transportation and disposal. The excavation was lined with plastic and filled to eight inches to grade with clean ¾" crushed stone supplied by Blue Circle Inc. Please refer to Appendix 7 for a copy of the clean fill certificate. The affected area was brought back to grade with asphalt.

Finally, the two drains located in the garage bay were flushed and cleaned. A concrete slurry was utilized to backfill the drains and piping. The drains were grouted with hand mixed concrete and left to set.

It should be noted that all of the associated tank system piping as well as the alarm equipment was removed from the boiler room of the facility. No subsurface utility mains, service lines or monitoring wells were damaged during the course of the removal.

Table 2.9-A - Soil Sample Survey, Pipe Trench
Table 2.9-B - Soil Sampling Results

Figure 2.9-2 - Site Location Map
Figure 2.9-3 - Soil Borings Location Map 45
Figure 2.9-4 - Sample Location Map 45

BUILDING 45
Table 2.9-A
Soil Sampling Summary
August 8, 2000

Field Sample Number	Depth	Laboratory Analysis	Lab ID Number
450W-01	7.25'	TPHC	000015973
450W-01A	7.25'	Pending VO+10, BN+15, PCB, PPM	
450W-02	7.25'	TPHC	000015974
450W-02A	7.25'	Pending VO+10, BN+15, PCB, PPM	
450W-03	7.00'	TPHC	000015975
450W-03A	7.00'	Pending VO+10, BN+15, PCB, PPM	
450W-04	7.00'	TPHC	000015976
450W-04A	7.00'	Pending VO+10, BN+15, PCB, PPM	
450W-05	7.25'	TPHC	000015977
450W-05A	7.25'	Pending VO+10, BN+15, PCB, PPM	
450W-05D	7.00'	TPHC	000015978
450W-05DA	7.00'	Pending VO+10, BN+15, PCB, PPM	
450WT-06	7.00'	TPHC	000015979
450WT-06A	7.00'	Pending VO+10, BN+15, PCB, PPM	
450WT-07	7.00'	TPHC	000015980
450WT-07A	7.00'	Pending VO+10, BN+15, PCB, PPM	
450WT-08	7.00'	TPHC	000015981
450WT-08A	7.00'	Pending VO+10, BN+15, PCB, PPM	
450WT-09	7.00'	TPHC	000015982
450WT-09A	7.00'	Pending VO+10, BN+15, PCB, PPM	
450WT-10D	7.00'	TPHC	000015983
450WT-10DA	7.00'	Pending VO+10, BN+15, PCB, PPM	

BUILDING 45
Table 2.9-B
Soil Sampling Results
Total Petroleum Hydrocarbon Analysis Summary
August 8, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*TPHC Result (ppm)*
450W-01	August 8, 2000	7.25'	**8,200**
450W-02	August 8, 2000	7.25'	**8,400**
450W-03	August 8, 2000	7.25'	**8,100**
450W-04	August 8, 2000	7.00'	**6,200**
450W-05	August 8, 2000	7.00'	**11,000**
450W-05D	August 8, 2000	7.25'	**2,300**
450WT-06	August 8, 2000	7.00'	200
450WT-07	August 8, 2000	7.00'	830
450WT-08	August 8, 2000	7.00'	**1,200**
450WT-09	August 8, 2000	7.00'	110
450WT-10	August 8, 2000	7.00'	750

Key:
ND: None Detected
PPM: parts per million (mg/kg)
BMDL: Below Method Detection Limit
TPHC: Total Petroleum Hydrocarbons
VO+10: Volatile Organic Compounds plus a 10 peak library search
BOLD: Indicates submittal of sample for VO+10 analyses.

BUILDING 45
Table 2.9-C
Soil Sampling Results
Volatile Organic Compounds Analysis Summary
August 8, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*Result (ppm)*	*Compound Detected (ppm)*	*Tentatively Identified Compound (ppm)*
450W-02A	8-08-00	7.25'	15.0	Total Xylenes	
45OW-03A	8-08-00	7.25'	7.0	Total Xylenes	
			3.0	Ethylbenzene	
450W-05A	8-08-00	7.00'	ND	NA	
45OWT-08A	8-08-00	7.00'	ND	NA	

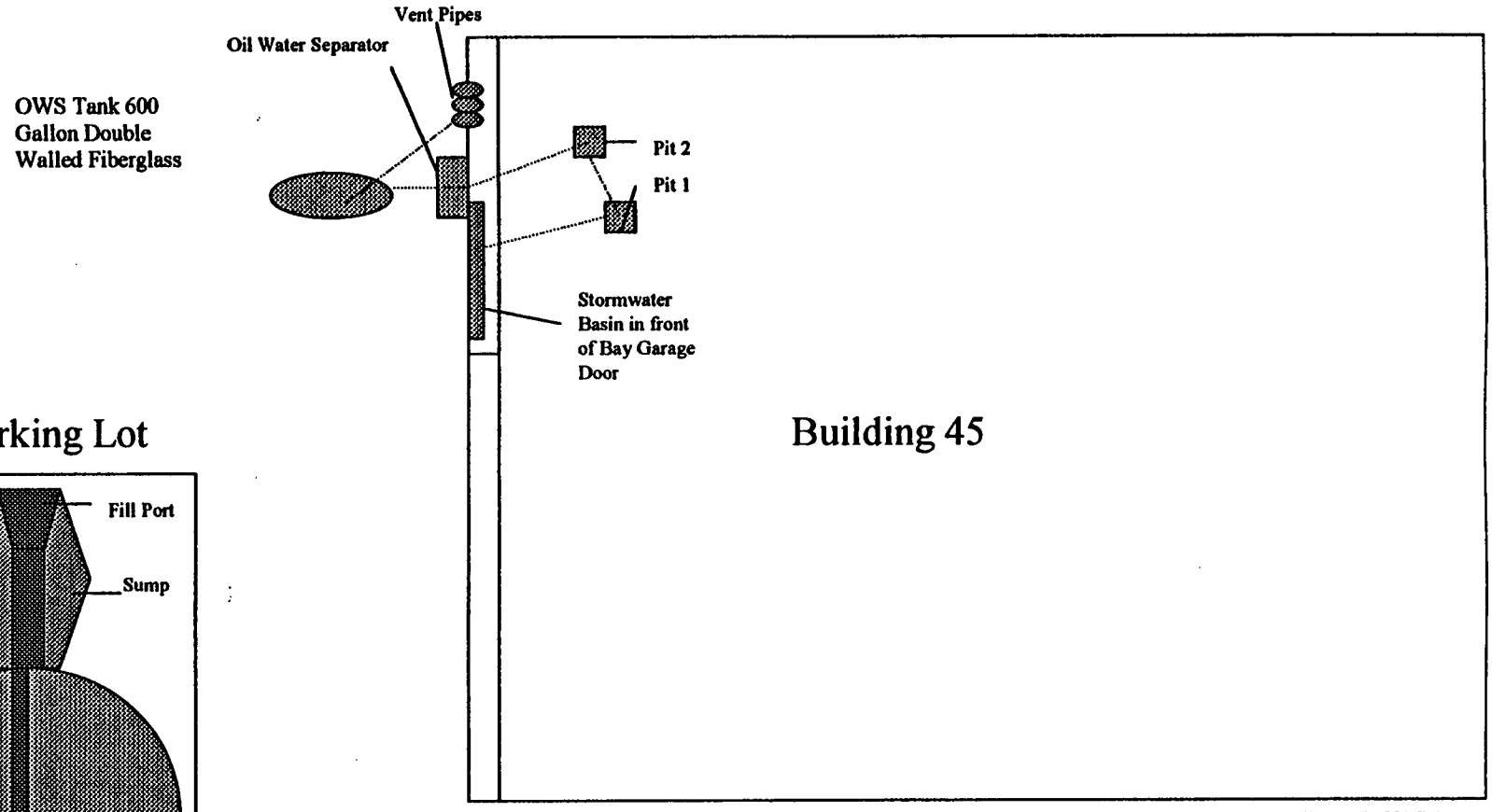
BUILDING 45
Table 2.9-D
Soil Sampling Results
Base Neutral Compounds Analysis Summary
August 8, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*Result (ppm)*	*Compound Detected (ppm)*	*Tentatively Identified Compound (ppm)*
450W-02A	8-08-00	7.25'	1.10	Bis (2-Ethylhexyl) Phthalate	
			2.10	2-Methylnapthalene	
			0.56	Di-n-ButylPhthalate	
			9.30	Naphthalene	
			0.96	N-Nitrosodiphenylamine	
			1.00	Phenanthrene	
			0.55	Pyrene	
45OW-03A	8-08-00	7.25'	0.82	Bis (2-Ethylhexyl) Phthalate	
			18.0	2-Methylnapthalene	
			0.51	Di-n-ButylPhthalate	
			0.58	Flouranthene	
			5.30	Naphthalene	
			1.00	Phenanthrene	
			0.52	Pyrene	
450W-05A	8-08-00	7.00'	0.64	2-Methylnapthalene	
			0.37	Pyrene	
45OWT-08A	8-08-00	7.00'	ND	NA	

BUILDING 45
Table 2.9-E
Soil Sampling Results
Heavy Metals Summary
August 8, 2000

Sample ID Number	*Date of Sampling*	*Depth*	*Result (ppm)*	*Compound Detected (ppm)*	*NJDEP IGWSCC (ppm)*
450W-02A	8-8-00	7.25'	9.40	Chromium	
			11.0	Copper	
			11.0	Lead	
			11.0	Nickel	
			28.0	Zinc	
45OW-03A	8-8-00	7.25	0.26	Beryllium	
			10.0	Chromium	
			7.5	Copper	
			11.0	Lead	
			11.0	Nickel	
			31.0	Zinc	
450W-05A	8-8-00	7.25'	0.51	Beryllium	
			0.71	Cadmium	
			19.0	Chromium	
			22.0	Copper	
			15.0	Lead	
			25.0	Nickel	
45OWT-08A	8-8-00	7.25	100	Zinc	
			0.03	Mercury	
			35	Beryllium	
			0.59	Cadmium	
			19.0	Chromium	
			23.0	Copper	
			28.0	Lead	
			18.0	Nickel	
			48	Zinc	

Northern Most Dock of Site



Asphalt Parking Lot

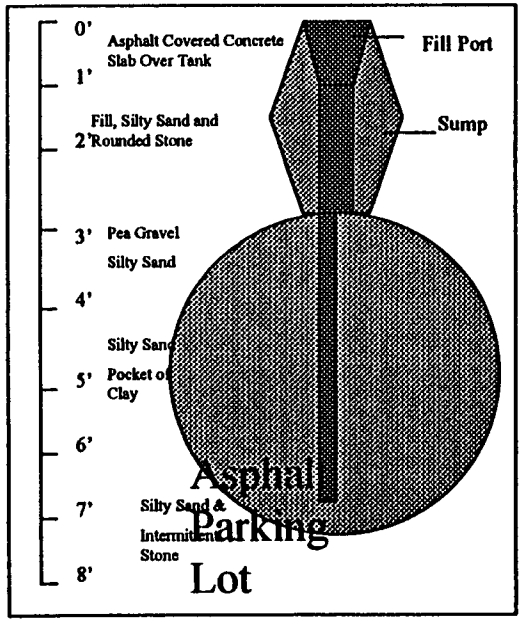


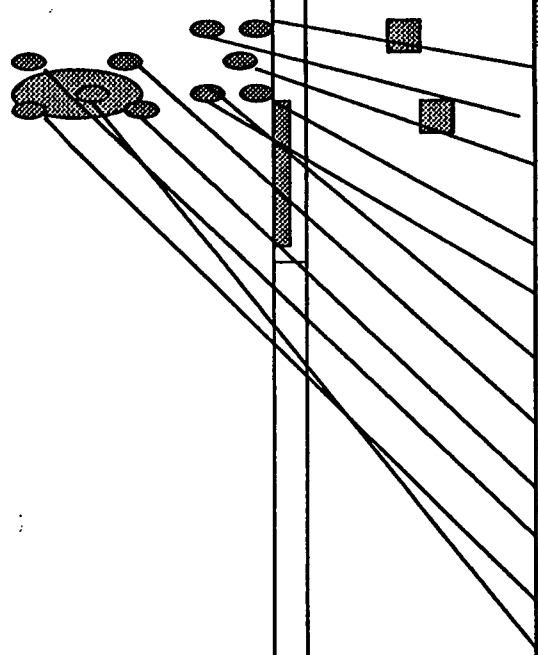
Figure 2.9-2

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Site Layout Map Building 45

Northern Most Dock of Site



Sample ID Number	Date of Sampling	Depth	TPHC Result (ppm)
450W-01	August 8, 2000	7.25'	8,200
450W-02	August 8, 2000	7.25'	8,400
450W-03	August 8, 2000	7.25'	8,100
450W-04	August 8, 2000	7.00'	6,200
450W-05	August 8, 2000	7.00'	11,000
450W-05D	August 8, 2000	7.25'	2,300
450W-06	August 8, 2000	7.00'	200
450W-07	August 8, 2000	7.00'	830
450W-08	August 8, 2000	7.00'	1,200
450W-09	August 8, 2000	7.00'	110
450W-10	August 8, 2000	7.00'	750

Apex Environmental Inc.
15850 Crabbs Branch Way
Rockville, MD 20855

Military Ocean Terminal
Bayonne, New Jersey

Sample Location Map Building 45

Figure 2.9-3

3.0 Discussion - Aboveground Storage Tank Removal Activities

3.1 Building 22 – One 1,000-gallon AST

The contents of this AST were removed by Lorco Petroleum of Sayreville, New Jersey (Manifest 289761). The tank was cut into pieces for removal through the building's existing doorway. The scrap metal was removed off-site and recycled by Scerbo Brothers Inc. of Bayonne, New Jersey.

3.2 Building 61B – One 550-gallon AST

The contents of this AST were removed by Lorco Petroleum of Sayreville, New Jersey (Manifest 289761). The tank was cut into pieces for removal through the building's existing doorway. The scrap metal was removed off-site and recycled by Scerbo Brothers Inc. of Bayonne, New Jersey.

3.3 Building 42 – Four small ASTs

The contents of these ASTs were removed by Lorco Petroleum of Sayreville, New Jersey (Manifest 289761). The tanks were removed intact and cleaned in the staging area. The scrap metal was removed off-site and recycled by Scerbo Brothers Inc. of Bayonne, New Jersey.

4.0 Convault removal Activities

Buildings 91 A, 211 A, 228 A, and 235 B – 500- and 1,000-gallon Convaults

Located adjacent to the exterior walls of Buildings 91 A, 211 A, and 235 B were 500-gallon Convaults. A 1,000-gallon Convault was also located adjacent to Building 228 A. The contents of these Convaults were removed by Lorco Petroleum of Sayreville, New Jersey (Manifest 289749). The vaults were then dismantled and placed on a truck, which was supplied by Convault Incorporated. All of the associated scrap metal was removed off-site and recycled by Scerbo Brothers Inc. of Bayonne, New Jersey.

5.0 Soil Disposal Activities

On August 10, 2000, Apex personnel removed 131.44 tons of contaminated soil from various sites located at the Military Ocean Terminal in Bayonne (MOTBY). During the duration of the project, contaminated soils were removed from the excavations and stockpiled at the staging area until all underground storage tanks were completely removed. Once the storage tanks were removed, the contaminated soils were removed from MOTBY by G. Fusella Trucking and taken to Carteret Biocycle in Carteret, New Jersey for soil recycling. See Appendix J for copies of manifests.

6.0 Conclusions/Recommendations

In accordance with the scope of work outlined in the contract between Apex Environmental, Inc. (Apex) and the U.S. Army Corps of Engineers (USACE), eleven underground storage tanks (USTs), seven aboveground storage tanks (ASTs), four Convaults® and two oil water separators (OWS) as well as other miscellaneous equipment were removed from the Military Ocean Terminal in Bayonne, New Jersey.

Field screening performed by an Apex geologist during on-site excavation activities and laboratory analysis of soil samples collected from borings installed prior to the UST removals revealed the presence of contamination. Contamination of the soil varied in TPH concentrations from less than 10 ppm to exceeding 10,000 ppm. The following is a summary of recommendations for the each of the locations, in which the underground storage tanks were removed:

Buildings 234A, 229H, and 42

Based on the soil boring installed prior to excavating and the results of the laboratory analysis, Apex did not detect concentrations of TPH greater than 1,000 ppm. During excavation activities, no gross contamination was encountered and therefore, Apex see no further action necessary at the above mentioned locations.

Buildings 254, 229J, 82, and 91D

During removal activities, none of the underground storage tanks were found to be structurally impaired, although contamination was detected during soil boring installations and removal action. It is suspected that the contaminated soils were pre-existing prior to the installation of the USTs. It is our understanding that a Remedial Investigation is currently being conducted facility wide, therefore, it is our recommendation that the on-going remedial investigation activities continue in these areas to delineate the horizontal and vertical extent of contamination.

Building 72 and 45

During the removal of the OWS's and the associated tank at building 45 contamination was encountered. Based on the data generated from the boring and removal activities elevated levels of metals were detected. It is our recommendation that these areas of concern be included into the on-going Remedial Investigation being performed at the site.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 3

[redacted]ACT/PURCH. ORDER/ [redacted]EMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
DACA31-00-D-0036- ..	0013	2000May12	W81W3G-0133-0752	

6. ISSUED BY CODE

CONTRACTING DIVISION
PO BOX 1715

BALTIMORE MD 21203-1715

7. ADMINISTERED BY (If other than 6) CODE

SEE ITEM 6

8. DELIVERY FOB
[X] DEST
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 0G3Z8 FACILITY 0G3Z8

APEX ENVIRONMENTAL INC
MARY JANE ARNOLD
SUITE 200
15850 CRABBS BRANCH WAY
ROCKVILLE MD 20855-2622

10. DELIVER TO FOB POINT BY (Date)
2001May31

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS
30 days

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 14

14. SHIP TO CODE W15U96

MILITARY OCEAN TERMINAL BAYONNE (Caretaker)
ATTN: Mirza Baig

BAYONNE NJ 07002-5599

15. PAYMENT WILL BE MADE BY CODE T0B0200

USACE FINANCE CENTER
ATTN: DISBURSING
5722 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE

[redacted]URCHASE		Reference your quote dated ... Furnish the following on terms specified herein.
DELIVERY/ CALL	X	This delivery order/call is issued on another Govt. agency or in accordance with and subject to terms and conditions of above numbered contract.

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMMDD)

[ ] If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE

See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
	SEE SCHEDULE				

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle

24. UNITED STATES OF AMERICA BY: William Ryals WILLIAM C. RYALS CONTRACTING / ORDERING OFFICER

25. TOTAL $363,796.65
29. DIFFERENCES

26. QUANTITY IN COLUMN 20 HAS BEEN
[ ] INSPECTED [ ] RECEIVED [ ] ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

DATE ... SIGNATURE OF AUTHORIZED GOVT. REP.

27. SHIP NO. [ ] PARTIAL [ ] FINAL

28. DO VOUCHER NO.

30. INITIALS

31. PAYMENT [ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.

DATE ... SIGNATURE AND TITLE OF CERTIFYING OFFICER

[redacted]D AT

38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

DD Form 1155, JAN 1998 (EG) PREVIOUS EDITION MAY BE USED.

DEPARTMENT OF THE ARMY
BALTIMORE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1715
BALTIMORE, MARYLAND 21203-1715

May, 15, 2000

REPLY TO ATTENTION OF:

CENAB-CT-O

MEMORANDUM FOR: Ronald D. Conetta, Metro West Resident Office, Building 408, Fort Hamilton, Brooklyn, NY 11252

SUBJECT: Designation of Contracting Officer Representative (COR) for Contract DACA31-98-D-0036, Task Order 0013

1. Pursuant to DFARS 201-602.2 and AFARS 1.602-2-90, you are designated as the contracting officer's representative (COR) administration of the following contract.

Contract Number: DACA31-98-D-0036
Contractor: Apex Environmental, Inc.
Description: UST / AST removal at MOTBY, NJ
Task Order: 0013

2. You are authorized by this designation to take action with respect to the following-,

a, Verify that the contractor performs the technical requirements of the contract in accordance with the contract terms, conditions and specifications, Specific emphasis should be placed on the quality provisions, for both adherence to the contract provisions and to the contractor's own quality control program.

b. Perform or cause to be performed, inspections necessary in connection with paragraph 2a and verify that the contractor has corrected all deficiencies, Perform acceptance for the Government by appropriate government representative of services performed under this contract. Prepare and submit Receiving Reports and certify receipt of supplies/services noting "Supplies/Services/Construction have been received and are accepted."

C. Maintain liaison and direct communication with the contractor. Written communication with the contractor and other documents pertaining to the contract shall be signed as "Contracting Officer's Representative" and a copy shall be furnished to the contracting officer or Administrative Contracting Officer, whichever applies

d. Monitor the contractor's performance and notify the contractor of deficiencies observed during surveillance and direct appropriate action to effect correction. Record and report in accordance with established procedures to the Contracting officer incidents of faulty or nonconforming work, delays or problems. In addition, you are required to submit a monthly report (such as incidents of faulty or nonconforming work, delays or problems.

SUBJECT: Designation of Successor Contracting Officer's Representative (COR) for Contract DACA31-98-D-0036

In addition, you are required to submit a monthly report (such as payment invoice, AMPRS, etc), concerning performance of services rendered under this contract.

e. Coordinate site entry for contractor personnel as needed, and insure that any Government furnished property is available when required. Prepare and complete the Construction Contractor Appraisal Support System (CCASS) form upon completion of all work or at any interim time when appropriate.

3. You are authorized to take any or all administrative action which could be lawfully taken by the undersigned with the exception of:

a. Ordering Changes in the work or the terms of the contract;

b. Agreeing to changes in price or time, issuing delivery/task orders or changes to them; or authorizing the revision in the overall scope of delivery order, or direct the Contractor to exceed the delivery order (or the contract) amount or performance period;

c. Suspending the delivery/task order or contract

d. Approving Consent to Subcontract requests;

e. Terminating the contract and resolving disputes under the "Disputes" clause of the contract.

Those authorities and responsibilities not precluded by the FAR, DFARS, AFARS, and EFARS nor by mention in this appointment letter, shall be considered within the authority of the COR. You may be personally liable for unauthorized acts in accordance with DFARS 201.602-2(5)(v). You may not redelegate your COR authority.

4. This designation as a COR shall remain in effect through the life of the contract, unless sooner revoked in writing by the contracting officer or unless you are separated from Government service. If you are to be reassigned or to be separated from Government service, you shall notify the contracting officer sufficiently in advance of reassignment or separation to permit timely selection and designation of a successor COR. If your designation is revoked for any reason before completion of this contract, turn your records over to the successor COR or obtain disposition instructions.

5. You shall follow the proper contract procedures for the administration of property, work authorization, management information reporting, project initiation/close out, and quality assurance. You are required to maintain adequate records to sufficiently describe the performance of your duties as a COR during the life of this contract and to dispose of such records in
accordance with District/local policy. As a minimum, the COR file shall contain the following:

a. A copy of your letter of appointment from the contracting officer, a copy of any changes to that letter and a copy of any termination letter.

b. A copy of the contract, task order, or the appropriate part of the contract and all contract modifications.

c. A copy of the applicable quality assurance (QA) surveillance plan.

d. All correspondence initiated by authorized representatives concerning performance of the contract,

e. The names and position titles of individuals who serve on the contract administration team. The contracting officer must approve all those who serve on this team. With the exception, the Construction Division shall reference Engineering Regulation 1180-1-6, as applicable.

f. A record of inspections performed and the results.

g. Memoranda for record or minutes of any pre/post and ongoing performance conferences.

h. Memoranda for record of minutes of any meetings and discussions with the contractor or others pertaining to the contract or contract performance.

i. Applicable laboratory tests reports.

j. Records relating to the contractor's quality control system and plan and the results of the quality control effort.

k. A copy of the surveillance schedule or contractor performance schedule.

1. Documentation pertaining to your acceptance of performance of services, including reports, vouchers, and other data.

6. All personnel engaged in contracting and related activities shall conduct business dealings with industry in a manner above reproach in every aspect and shall protect the U.S. Government's interest, as well as maintain its reputation for fair and equal dealings with all contractors. DoD 5500.7-R sets forth standards of conduct for all personnel directly and indirectly involved in contracting.

7. You shall complete annually a Financial Disclosure Statement as required by District or local policies. Any direct or indirect financial interests which would place you in a position where there is a conflict or appearance of conflict between your private interests and the public interests of the United States shall be avoided.

8. You are required to acknowledge receipt of this designation in the duplicate copy and return it to the contracting officer. Your signature also serves as certification that you have read and understand the contents of DoD 5500.7-R. The original copy of this designation should be retained for your file.

SUBJECT: Designation of Successor Contracting Officer's Representative (COR) for Contract DACA31-98-D-0036

9. My point of contact for this action is Patty Hensley, (410) 962-7718.

WILLIAM C. RYALS
Contracting Officer

Receipt of the above designation is acknowledged.

Name of COR: (Print/Type)	Signature:	Date
RONALD D. CONETTA		

Name of Contractor Representative: (Print/Type)	Signature:	Date
James L. Robinson		5.23.00

Apex environmental, inc.®

15850 Crabbs Branch Way
Suite 200
Rockville, MD 20855
Telephone 301-417-0200
Facsimile 301-975-0169

SITE-SPECIFIC HEALTH AND SAFETY PLAN

for

Underground Storage Tank, Aboveground Storage Tank And Oil/Water Separator Removal
Military Ocean Terminal
Bayonne, New Jersey

Delivery Order No. 0013

July 2000

Apex Job No: 10352.013

Contract No.: DACA31-98-D-0036

Prepared for:

Mr. Ronald B. Connetta
Contracting Officer Representative
Metro West Resident Office
Building 408, Ft. Hamilton
Brooklyn, NY 11252

Written by:

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Project Manager/Environmental Specialist
Remediation Division

Reviewed by:

Peter M. Granholm, CIH, CHMM
Certified Industrial Hygienist
Environmental, Health and Safety Division

SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: _____ Page 1 of 1

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification					
				Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

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Figure 1 Site Vicinity Map

1.0 INTRODUCTION

This site Health and Safety Plan (HASP) was prepared by Apex Environmental, Inc. (Apex). Its purpose is to define requirements and designate protocols to be followed at during the removal of underground storage tanks (USTs), aboveground storage tanks (ASTs), oil/water separators (OWSs), Convaults, and other ancillary and miscellaneous features associated with the work to be completed at MOTBY. Applicability extends to all government employees, contractors, subcontractors, and visitors present at the work site.

This plan has been developed with the key assumption that fuel oil, gasoline, and diesel are the only contaminants that will be encountered at the site. This HASP summarizes potential hazards associated with the known contaminants and planned activities, and defines protective measures. It also provides for emergency response.

Prior to entering the site, all personnel must review this HASP and sign the Site HASP Acknowledgment Form documenting agreement to comply with its requirements. The agreement form will be kept on site at the site construction trailer for inspection, and additional copies will be kept at Apex's main offices. All personnel on site, contractors and subcontractors included, shall be informed of the site emergency response procedures and any potential fire, explosion, health, or safety hazards of the operation.

Apex prepared this HASP to summarize industrial hygiene and health and safety monitoring related to working around and handling of the above-mentioned contaminants and contaminated soils and water during construction activities. Environmental releases of fuel oil, gasoline and diesel, and their chemical components could pose a threat to human health. In addition, hazards stemming from excavation-related construction activities are anticipated and must be controlled.

The requirements set forth in this HASP are based on standard safety and health precautions applicable to typical construction activities within areas of contaminated soils and/or groundwater, and contract specifications. This HASP shall be properly implemented by a qualified and experienced Site Safety and Health Officer (SSHO) provided by Apex. The SSHO, in concert with the Certified Industrial Hygienist (CIH) and Project Manager, will identify when additional requirements are necessary and ensure that this plan is supplemented and expanded as needs dictate. Responsibilities of Apex and its employees will be limited to those specifically defined with the client via contract.

In general, Apex will monitor job site conditions and exposures to the extent described and will provide oversight and enforcement of this HASP; however, Apex does not assume responsibility for non-contracted duties relative to the client's or subcontractor's safety and health programs. This HASP addresses potential hazards and unsafe work practices associated with construction activities, but is not intended to be all inclusive. Although this HASP does not address all matters relating to general construction safety, all applicable regulations apply. Applicability of this HASP extends to all employees, contractors, subcontractors, and visitors.

SAFETY DATA

Apex Environmental, Inc. (Name of Firm) — 3/16/00 (Date)

1. Workers Compensation Insurance Experience Modification Rate (EMR).

19 99 Rate 1.15 (6/98-6/99) 19 98 Rate 1.28 (6/97-6/98) 19 97 Rate 0.94 (6/96-6/97)

2. Submit a copy of last year's OSHA NO. 200 LOG. Using the log and the attached instructions, please provide the following: (1999 Log)

(a)	Lost Workday Cases	1
(b)	Restricted Workday Cases	0
(c)	Medical Treatment Cases	2
(d)	Number of Fatalities	0
	Total number of cases (a+b+c+d)	3

3. Employee hours worked last year (field, supervisory, clerical). 281,690

4. Do you hold site safety meetings for:

	Yes	No	Frequency	Title of Person Conducting Meeting
(a) Field Supervisors?	X		At the beginning of each new project and when significant changes occur.	varies with project
(b) Employees?			"	"
(c) New Hires?			Part of new employee orientation & on the first day of project	"
(d) Subcontractors?			At the beginning of each new project and when significant changes occur.	"

5. Do you conduct job safety inspections? Yes X No
Frequency _____

6. Do you have a formal written safety program? Yes X No
If the answer of "yes", please submit a copy with this information.

Raji Riggs (Signature) — HR Generalist (Title)

Raji Riggs (Printed Name) — 7/12/00 (Date)

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For Calendar Year 19 99 Page 1 of 1

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APEX ENVIRONMENTAL, INC
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4608-G INDUSTRY LN, DURHAM, NC 27713

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632 BLANK RD CLIFTON PARK NY 12065

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Outcome of INJURY					Type, Extent of, and Outcome of ILLNESS													
Nonfatal Injuries					Type of Illness							Fatalities	Nonfatal Illnesses					
Injuries With Lost Workdays				Injuries Without Lost Workdays	CHECK Only One Column for Each Illness (See other side of form for terminations or permanent transfers.)							Illness Related	Illnesses With Lost Workdays					Illnesses Without Lost Workdays
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...dress 468 SOUTHLAKE BLVD, RICHMOND, VA 23236

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See OMB Disclosure Statement on reverse.

Establishment of INJURY				Type, Extent of, and Outcome of ILLNESS														
Nonfatal Injuries				Type of Illness									Fatalities	Nonfatal Illnesses				
Injuries With Lost Workdays				CHECK Only One Column for Each Illness (See other side of form for terminations or permanent transfers.)									Illness Related	Illnesses With Lost Workdays				Illnesses Without Lost Workdays
Enter a CHECK if injury involves days away from work, or days of restricted work activity, or both. (3)	Enter number of DAYS away from work. (4)	Enter number of DAYS of restricted work activity. (5)	Injuries Without Lost Workdays: Enter a CHECK if no entry was made in columns 1 or 2 but the injury is recordable as defined above. (6)	Occupational skin diseases or disorders (a)	Dust diseases of the lungs (b)	Respiratory conditions due to toxic agents (c)	Poisoning (systemic effects of toxic materials) (d)	Disorders due to physical agents (e)	Disorders associated with repeated trauma (f)	All other occupational illnesses (g)	(7)		Enter DATE of death. Mo./day/yr. (8)	Enter a CHECK if illness involves days away from work, or days of restricted work activity, or both. (9)	Enter a CHECK if illness involves days away from work. (10)	Enter number of DAYS away from work. (11)	Enter number of DAYS of restricted work activity. (12)	Enter a CHECK if no entry was made in columns 8 or 9. (13)
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220 N. PARK RD, READING, PA 19610

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Column (6) header text: Enter a CHECK if no entry was made in columns 1 or 2 but the injury is recordable as defined above.

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10052 JUSTIN DR, SUITE L URBANDALE, IA 50322

Nature of INJURY					Type, Extent of, and Outcome of ILLNESS													
Nonfatal Injuries					Type of Illness								Fatalities	Nonfatal Illnesses				
Injuries With Lost Workdays				Injuries Without Lost Workdays	CHECK Only One Column for Each Illness (See other side of form for terminations or permanent transfers.)								Illness Related	Illnesses With Lost Workdays				Illnesses Without Lost Workdays
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80 RIVER ST #3C HOBOKEN NJ 07030

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58 H CONN. AVE SOUTH WINDSOR, CT 06074

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Nature of INJURY					Type, Extent of, and Outcome of ILLNESS													
Nonfatal Injuries					Type of Illness								Fatalities	Nonfatal Illnesses				
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APEX ENVIRONMENTAL
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5850 CRABBS BRANCH WAY #200 ROCKVILLE MD 20855

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2.0 WORK PLAN

Following is an overview of anticipated Apex on-site activities presented in the sequence in which they will be performed.

2.1 General

- Prepare and disseminate the HASP.
- Provide health and safety training and monitoring of personnel who will be working in or around impacted areas.

2.2 UST/AST/OWS/Convaults/Piping/Contaminated Soil Removal

The scope of work covered under this contract is for the removal of USTs, ASTs, OWSs, Convaults, and related activities. Specific work to be performed for this project can be found in Appendix A.

In general, hazards associated with work activities will be controlled by awareness training; use of trained, qualified tradespeople; and oversight attentive to safety. The following sequence is anticipated for work in conjunction with the removal of the USTs, ASTs, OWSs, and Convaults.

- Pumping product out of USTs, ASTs, OWSs and Convaults.
- Removal of USTs, ASTs, OWSs, and Convaults and screening of encountered soil with a photoionization detector (PID) or similar direct-reading instrument to assess contamination levels.
- Provide on-site health and safety monitoring and related technical oversight during all work activities occurring in or around impacted materials.
- Monitor worker breathing zones using a PID or similar direct-reading instrument and a lower explosive level/gas/oxygen meter (LEL/O_2) to assess safety parameters.
- Collect soil samples for subsequent laboratory testing for chemical characterization.

2.3 Volumes Impacted

Location	Size	Area Impacted
Building 234A	1,000 gallon UST	4.951 cubic yards
Building 229H	1,000-gallon UST	4.951 cubic yards
Building 229J	1,000-gallon UST	4.951 cubic yards
Building 82	1,000-gallon UST	4.951 cubic yards
Building 91D	2,500-gallon UST	12.3775 cubic yards
Building 91D	2,500-gallon UST	12.3775 cubic yards
Building 91D	2,500-gallon UST	12.3775 cubic yards
Building 254 (CBV)	6,000-gallon UST	29.706 cubic yards
Building 254 (CBV)	6,000-gallon UST	29.706 cubic yards
Building 72A	50-gallon UST	.25 cubic yards

3.0 ROLES AND RESPONSIBILITIES

All site personnel will review the HASP prior to site operations and sign the attached Site Health and Safety Plan Acknowledgment Form indicating that they have reviewed, understand, and will comply with the plan, and that they have the requisite training and medical monitoring. (Refer to Sections 4.3 and 4.4 and/or consult with the SSHO to determine applicability.)

Key project staff personnel are listed below, including their duties and responsibilities. The Army Corps of Engineers Contracting Officer, must approve any modification to the HASP.

3.1 Apex Project Manager (APM)

The APM for this project will be Mr. Travis Black. The APM assumes responsibility for providing management of overall health, safety, and environmental concerns as approved and supported by the CIH. The APM will review Apex deliverables, and manage all resources, schedules, and budgets. The APM is responsible for overall coordination of the project and reporting contractor man-hours. In the event that Mr. Black is not available, Mr. Jim Robinson, Program Manager, will resume responsibility. Specific responsibilities as APM include:

- Coordinating all aspects of on-site activities, providing overall direction, maintaining health and safety activities, and maintaining contract specifications;
- Assisting in the preparation of the project HASP, making necessary changes, and giving final approval only when it is satisfactory;
- Identifying and categorizing the hazards and associated risks for the conditions to be encountered on site based on data provided;
- Coordinating with the Army Corps of Engineers designated Project Manager;
- Providing overall supervisory control for all health and safety protocols in effect for the project;
- Reviewing reports of incidents related to project activities;
- Directing sampling, testing, and soil remediation activities; and
- Assigning a SSHO who will assume the respective responsibilities and enforce all provisions of the HASP.

3.2 CIH

The CIH for this project is Mr. Richard Joas. The CIH will be the primary technical resource for the safety and industrial hygiene-related aspects of the job. The CIH will be responsible for providing health and safety-related support and review as needed. Qualifications of the SSHO for this project can be found in Appendix B. The CIH will perform an initial site-specific training and be present onsite during the first three days of remedial activities, start-up of each new phase, and at least on-call per month to audit the effectiveness of the SSHP. In the event Mr. Joas is not available, Apex's qualified alternative CIH will be Mr. Peter Granholm.

Specific responsibilities of the CIH shall include:

- Reviewing, approving, and implementing oversight of the technical, safety, and health-related requirements of this HASP, as well as approval of any necessary addenda;
- Assuring that Apex site personnel are technically qualified for their role and provided adequate and appropriate safety training;
- Assuring that Apex site personnel are medically monitored to indicate that they are physically qualified for their involvement in the project;
- Reviewing all health and safety documentation;
- Evaluating monitoring data; and
- Providing technical support to the SSHO, particularly when modifications to safety procedures are necessary.

3.3 SSHO

The SSHO for this project is Mr. Joseph Lockwood. The SSHO is responsible to the CIH and APM for day-to-day oversight of health and safety practices of personnel during site activities and compliance with the HASP. The SSHO will be on site at all times throughout the project. Qualifications of the SSHO's to be used for this project can be found in Appendix B. In the event that Mr. Lockwood is unavailable, Apex's qualified alternative SSHO will be Mr. Thomas Oh. Specific responsibilities of the on-site SSHO include:

- Implementing all on-site safety monitoring procedures and operations included in this HASP;
- Presenting initial health and safety briefings to all site workers and visitors;

- Leading weekly health and safety awareness meetings throughout the project;
- Overseeing all necessary monitoring including exposure and heat stress monitoring;
- Ensuring that proper response actions are followed;
- Updating health and safety monitoring equipment or procedures based on new information gathered during the site inspections;
- Authorizing the upgrading or downgrading of the levels of personal protection in conjunction with the CIH based on site observations and monitoring in accordance with predetermined and approved criteria;
- Determining and posting locations and routes to medical facilities (including poison control centers) and arranging emergency transportation to medical facilities (as required);
- Notifying (as required) local public emergency officers (i.e., police and fire departments) of the nature of the team's operations and making emergency telephone numbers available to all site workers;
- Ensuring that at least one member of the project team is available to stay behind and notify emergency services if the on-site supervisor must enter an area of maximum hazard, or entering this area only after notifying emergency services (police department);
- Observing workers for symptoms of on-site exposure or stress;
- Monitoring compliance with the HASP and assisting in enforcement measures;
- Supervising decontamination procedures on personnel, tools, and equipment to ensure that the procedures are followed and effective;
- Preventing site entry of unauthorized personnel or coordinating with local law enforcement agencies or state authorities to limit site access;
- Coordinating site activities so that they may be performed in an efficient and safe manner consistent with the HASP;
- Ensuring the ready access and availability of all safety equipment;
- Preparing mishap reports, as necessary (see Section 9.0); and
- Arranging for the availability of on-site emergency medical care and first aid, as necessary.

The SSHO has the authority and responsibility to stop any operation that threatens the health or safety of the team or surrounding populace or causes significant adverse impact to the environment.

3.4 Site Workers

All site workers conducting activities in or around impacted areas are responsible for understanding and complying with the requirements of this HASP. The responsibilities of site workers include:

- Attending tailgate safety meetings;
- Obeying safety and health related orders from the SSHO; and
- Performing work activities in a safe manner in accordance with this HASP and good work practices.

3.5 Site Visitors

All visitors, including government representatives, are required to comply with all provisions of the HASP. The responsibilities of site visitors include:

- Alerting the SSHO of their presence on site;
- Complying with all aspects of the HASP; and
- Obeying safety and health-related orders from the SSHO.

Richard V. Joao CIH
Program Manager

Mr. Joao is a Certified Industrial Hygienist with over 13 years experience in the environmental science industry. He develops operating procedures, health and safety plans, and oversees projects concerning hazardous wastes, abatement project design, and comprehensive inspection and testing programs. He has participated in public forums on asbestos and conducted investigations into worker exposure to mercury, electromagnetic fields, ionizing radiation, and chemical hazards. His experience in analytical studies and the development of appropriate protocols and programs is concentrated in the areas of industrial hygiene and hazardous waste.

EDUCATION

B.A. (Honors), Environmental Science, SUNY at Purchase, 1985
M.P.H., Environmental Science, Columbia University, 1992

REGISTRATIONS

Certified Industrial Hygienist #6413

PROFESSIONAL TRAINING/CERTIFICATION

Comprehensive Industrial Hygiene Review, Rutgers University, 1994
OSHA 8-hour Safety Refresher Training, NYU, 1992
OSHA 40-hour Safety Training/Emergency Response, Pueblo Community College, 1991
Quality Assurance in Environmental Analysis, American Chemical Society Short Course, 1989
Capillary Gas Chromatography, American Chemical Society Short Course, 1988
Industrial Ventilation, Rutgers University, 1987
40-hour EPA Lead Inspector/Risk Assessor, ATC Env. Corp., 1996

GENERAL EXPERIENCE

1998 to Present Program Manager, Apex Environmental, Inc., Hoboken, NJ.

1998 Owner, Richard V. Joao, Inc., Port Chester, NY. Self-employed, lead-based paint inspections and risk assessments.

1996 to 1998 Client Manager, Galson Consulting, New York, NY. Indoor air quality investigations. Provided monitoring of worker exposure to lead and VOCs, noise surveys, and investigation of microbiological contamination. Lead-based paint inspections and risk assessment. Monitored the radiological decontamination of a commercial property.

1995 to 1996 Operations Manager, ATC Environmental, Inc., New York, NY. Develop operating procedures, health and safety plans, and oversight of environmental engineering projects related to lead hazard assessments and mitigation, abatement project design, and comprehensive lead inspection and testing programs. Oversight of all technical reports with chief editing responsibilities. Extensive client contact and development of lead abatement protocols to meet the specific needs of the client.

1992 to 1995 Industrial Hygienist, NYC Department of Health, New York, NY. Developed assessment and remediation protocols for fungal contamination in the indoor environment. Participated in a public education forum regarding asbestos. Conducted a site inspection of New York City chest clinics for compliance with CDC guidelines to prevent occupational TB infection. Investigated worker exposure to mercury at a neon light manufacturing plant and evaluated the exposure of ambulance drivers and EMTs to electromagnetic fields.

Performed site inspections on NYC DOT bridge maintenance operations for compliance with OSHA "Lead in Construction Standard". Participated in the Williamsburg Bridge Task Force that developed and implemented assessment and remediation of lead hazards associated with the abrasive blasting of the bridge itself. participated in a city-wide assessment of lead contamination of NYC Department of Parks and Recreation property. Compiled and analyzed all available studies of lead contamination of exterior soil and street dust in NYC. Participated in the development of NYC DOT environmental monitoring procedures for abrasive blasting of steel structures.

1987 to 1992 Hazardous Waste Manager, The Rockefeller University, New York, NY. Coordination of waste reduction program, evaluation and handling of all hazardous waste streams (radioactive, chemical, biomedical) generated by biomedical research. Management of chemical waste database, maintenance of analytical instrumentation, formulation of regulatory compliance program; RCRA, OSHA "Lab Standard" & "Bloodborne Pathogen Standard", SARA Title III, and Medical Waste Tracking Act. Supervision of environmental monitoring program, collection and analysis of air samples. Monitoring of laboratory technicians for exposure to ionizing radiation and chemical hazards. Research projects involved solvent recycling and gas chromatographic analysis of waste streams.

1985 to 1987 Laboratory Supervisor, Testwell Craig Laboratories. Supervised five-person group involved in testing and analysis of construction materials and the development of testing protocols. Field inspections for curtain wall installation, rebar and concrete placement.

PROJECT EXPERIENCE

AFFILIATIONS

American Association for the Advancement of Science
American Public Health Association
American Industrial Hygiene Association

PUBLICATIONS

Wilkerson, A., Joao, R.V., Party, E., Gershey, E.L., "Radioactive Medical Waste; Two Regulations, One Waste, No Outlet"; *Proceedings of Waste Management '91, Vol. 1 Tucson, AZ, pp. 473-477, 1991.*

TECHNICAL PRESENTATIONS

Joao, R.V., Klitzman, S., and Levin, S., *A Cooperative Effort to Control Lead Exposure Associated with Paint Removal in a Residential Loft Building,* American Public Health Association Conference, 1993

Joao, R.V., Party, E., Gershey, E.L., *Managing Hazardous Wastes with a Multi-User Database System*, Tenth Annual College and University Hazardous Waste Conference, 1992

The

American Board of Industrial Hygiene®

ABIH®

organized to improve the practice of Industrial Hygiene
proclaims that

Richard V. Joao

having met all requirements through
education, experience, and examination,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

July 22, 1994	
date	Chair ABIH
6413	
certificate number	Secretary ABIH

Joseph Lockwood
Program Manager

EDUCATION
B.S., Environmental Science, Rutgers University, 1994

REGISTRATIONS

PROFESSIONAL TRAINING/CERTIFICATION

New Jersey Certification/UST Subsurface Evaluation
New Jersey Certification/Lead Inspector/Risk Assessor (& refresher)
8-hour OSHA HAZWOPER Refresher Training
OSHA Confined Space Training
40-hour OSHA Hazardous Materials Incident Response Operations Refresher
AHERA Asbestos Inspector Refresher
First Aid & CPR
48-hour OSHA Supervisor Hazardous Materials Incident Response Operations
NYC Certification / Asbestos Inspection, Monitoring, & Air Tech.
NJDEP Re-Engineering Air Quality Permits
Continuing Education: Air Permitting (& Advanced)/Title V/Environmental Compliance/Air Sampling for Toxic Substances/Fundamentals of Occupational Safety Compliance/Environmental Measure and Quality Assurance and Field Sampling/Regulatory Training in USTs

GENERAL EXPERIENCE

1998 to Present Program Manager, Apex Environmental, Inc., Hoboken, NJ.

5/96 to 11/98 President, Environmental & Safety Compliance Corporation, Piscataway, NJ. Health and Safety Officer. Evaluated site operations ensuring contractor compliance with RCRA waste management, TSCA, and OSHA regulations. Developed and conducted health and safety, confined space, lock-out/tag-out, blood borne pathogen and hearing conservation and control programs and training. Conducted hazard class determination and field characterization of unknown chemicals. Transportation and disposal of hazardous and non-hazardous wastes. Developed programs and seminars to comply with OSHA's employee training requirements. Conducted remedial investigations, clean-ups, and subsurface evaluations at a variety of commercial and industrial facilities. Monitoring well installation, development and sampling in connection with ground water investigations. Conducted numerous UST removals for commercial, industrial, and residential facilities. Conducted remedial capping of hazardous waste sites with inert materials such as asphalt and concrete. Conducted emergency spill response operations and disposal of these materials in New York and New Jersey. Designed and executed cost-effective alternatives for the remediation of contaminated soils, sludges, and ground water.

9/93 to 5/96 Manager/Client Services and Development, Senior Environmental Specialist, Industrial waste Management, Inc., Middlesex, NJ. Performed Phase I, II, III assessments, and OSHA and Environmental Audits. Conducted evaluations of lead hazards, waste stream evaluations, and UST closures and spill response

reporting. Reviewed contractor H&S Plans for de-leading superstructures such as bridges and train terminals. Devised and implemented alternative compliance measures for industrial facilities regarding Title V. Supervised hazardous waste removal.

1991 to 1992 Industrial Pretreatment Program Field Technician, MCUA, Middlesex, NJ. Regulatory oversight of Significant Industrial User's waste water discharge evaluations. conducted industrial effluent sampling during annual inspection and compliance audits. Compiled data for the annual treatment works Discharge Monitoring Report for the State.

1989 to 1990 Assistant to the Vice President, Rutgers Chemical and Metals, New Brunswick, NJ. Development of alternative methods for disposal of plastics utilizing extrusion technology. Implementation of alternative material usages in the production of armored cable.

PROJECT EXPERIENCE

AFFILIATIONS

NJ Mortgage Bankers Association / Environmental Committee / 1996 Vice Chair
Morris County Chamber of Commerce
NJ Mortgage Bankers Association / Income Property Investment Committee

4.0 GENERAL SAFETY AND HEALTH PLAN

4.1 Regulatory Requirements

Occupational Safety and Health Administration (OSHA) standards 29 Code of Federal Regulations (CFR) 1910 and 1926 and U.S. Army Corps of engineers (USACE) document EM-385-1-1 apply to work performed under this HASP. Apex will make a copy of relevant sections of these regulations, available upon request. Apex will maintain and operate this project under these regulations.

4.2 Safety and Health Policy

The purpose of this HASP is to help protect workers and other on-site personnel, the public, and the environment from exposures associated with site activities and potential site contaminants. This HASP includes preventive and protective measures against physical or chemical health hazards that may exist or develop during field operations based on reports of previous investigation (conducted by others) and information gathered by Apex during the site visit.

It is the expressed policy of Apex and a contractual requirement for this task that all health and safety measures be performed according to this HASP. All personnel, including those of Apex and contractors, shall be familiar with the HASP and adhere to the HASP at all times.

4.3 Personnel Training Requirements

In addition to requirements for workers actually conducting clean-up activities, OSHA's 29 CFR 1910.120 also stipulates requirements for other workers, including subcontractors, who must perform activities on the site when uncontrolled hazardous substances are being handled. However, the regulation does not apply to workers at the site who will not be exposed to, or do not have the potential to be exposed to, hazardous substances. Ongoing professional judgement by site health and safety personnel is necessary and incorporated into this HASP to ensure that workers remain adequately protected. This HASP and any addenda are based on the assumption that such safety and health oversight will be provided on a continual basis during activities occurring in and around impacted areas at the site.

It will be the responsibility of the APM with guidance from this HASP and the SSHO/CIH to identify potential training needs and timetables so that these requirements are met. Documentation of training shall be provided to the SSHO.

Consistent with OSHA's 29 CFR 1910.120 regulation covering Hazardous Waste Operations and Emergency Response (HAZWOPER), those site personnel who may be exposed to hazardous chemicals (in the professional judgement of the health and safety staff) are required to be trained in accordance with the standard.

Apex personnel assigned to this project will be 40-hour trained and have received an 8-hour refresher on an annual basis. In addition, supervisors shall have completed the above training and 8 hours of supervisor training. Personnel assigned to this project will indicate the training they have received on the Site Health and Safety Plan Acknowledgment Form.

4.3.1 Pre-assignment and Annual Refresher Training

Prior to arrival on site, each employer will be responsible for certifying that his/her employees meet the requirements of pre-assignment training consistent with OSHA 29 CFR 1910.120 paragraph (e)(3) or as required by site health and safety staff. As may be required by site conditions, the employer shall provide a document certifying that each worker has received 40 hours of classroom instruction. All personnel must also receive eight hours of refresher training annually and have completed three days (24 hours) of actual field experience as required by CFR 1910.120(e)(3)(i).

4.3.2 Site Supervisors Training

Consistent with OSHA 29 CFR 1910.120 paragraph (e)(8), individuals designated as site supervisors require an additional eight hours of training.

4.3.3 Training and Briefing Topics

The following items will be discussed by the SSHO or his designee at the site pre-entry briefing(s) and daily "tailgate" safety meetings as deemed appropriate. The safety meeting will be a minimum of 4 hours. Topics will cover, but not be limited to,

topics covered in EM 385-1-1 sections 01.B.25 and 28.D.03 as well as the following items:

- chemical hazards,
- physical hazards,
- engineering controls and work practices,
- personnel protective equipment,
- respiratory protection,
- medical surveillance requirements,
- symptoms of overexposure to hazards,
- air monitoring,
- confined space entry procedure,
- site control,
- spill containment,
- emergency response plan, and
- biological hazards.

Refresher training shall be conducted as necessary for clarification or reiteration as determined by the SSHO whenever new hazards are recognized and if addenda are added to this HASP.

Site-specific training will include information needed to ensure that the personnel working at the site are able to respond effectively to emergencies. This segment of the training will include a description of the communications systems to be used and the procedures for responding to fires and other emergencies. Briefings will be provided prior to site entry and, as required, each morning before work begins and after each day's field activities have been completed. The SSHO will document topics addressed in these briefings and those in attendance. The SSHO will hold and document supervisory safety meetings to assess work performance.

4.3.4 Equipment Operations

Apex foreman and operators, who have been assigned to this project, are highly capable of equipment operations and excavating procedures. Apex crew members have spent hundreds of hours working with equipment in excavating situations.

4.4 Medical Surveillance

All site personnel who have the potential to be exposed at or above the OSHA permissible exposure limit (PEL) shall be enrolled in an approved medical surveillance program for hazardous waste site workers. This program shall be designed in accordance with the recommendations found in the NIOSH/OSHA/U.S. Coast Guard (USCG)/U.S. Environmental Protection Agency's (EPA's) "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Operations," and meet the requirements of 29 CFR 1910.120. Physician's statements of findings shall be kept by the employer in the employees' personal files and shall be available for review by authorized personnel. The physician shall consider the following examinations for inclusion in the Medical Examination and Monitoring Program:

- complete medical and occupational history;
- basic physical exam;
- heart status and functions (electrocardiogram);
- pulmonary function-forced vital capacity, forced expiratory volume at one second and reserve volume;
- CBC with differential;
- blood chemistry screening profile;
- urinalysis with microscopic examination;
- blood lead and zinc protoporphyrin;
- audiometric testing;
- visual acuity;
- chest x-ray (once every 4 years); and
- urine heavy metals.

In addition, as applicable, all site personnel shall participate in a program that will:

- assure the employee is medically fit to perform his/her duties and wear respiratory equipment [29 CFR 1910.134];
- identify any illnesses or conditions that might be aggravated by exposures or job activities;
- establish a baseline against which to evaluate future changes in health; and
- recognize changes, reactions, or abnormalities at the earliest opportunity so that corrective measures can be taken.

Apex personnel assigned to this project are included in a medical surveillance program in accordance with 29 CFR 1910.120. Personnel assigned to this project will indicate the date of their last medical examination on the Site Health and Safety Plan Acknowledgment Form. The physician overseeing Apex's medical surveillance program is Michael Sauri, MD. Dr. Michael Sauri's is an Internist specializing in Infectious Diseases and Occupational Medicine.

Dr. Michael's Sauri's Occupational Health Consultants practice is located in Rockville, Maryland.

4.5 Documentation

Monitoring records will be kept in accordance with 29 CFR 1910.120 and standard Apex practices. For each day that Apex performs on-site health and safety monitoring, daily reports will be prepared which record ambient air monitoring results, daily site activities, and soil screening results. Reports will be submitted to the appropriate personnel on a daily basis. Personal and environmental monitoring will be made part of the permanent project record. Copies of Apex's Daily Report Forms are included as Appendix C.

Training and medical records for personnel shall be made available for inspection by the SSHO prior to job start. Also, subcontractors are required to make training and medical records available for inspection, as required.

A Safety and Health Report shall be submitted within ten working days following completion of this project. The following minimum information should be included:

- Summary of the overall performance of safety and health accidents or incidents;
- Final decontamination documentation including procedures and techniques used to decontaminate equipment, vehicles, and on-site facilities;
- Summary of exposure monitoring and air sampling accomplished during the project; and
- Signature of CIH and SSHO.

4.6 Violating Health and Safety Plan Procedures

Apex has the right to remove any individual who violates safety practices. Disciplinary measures are at the discretion of the SSHO and will be commensurate with the severity of the infraction. It is the responsibility of each individual to understand and comply with safety procedures and request clarification as needed. Supervisors carry additional oversight and enforcement responsibilities and, consequently, disciplinary measures will be more severe. The following guidelines apply for minor infractions:

- First infraction: verbal warning with no further action if individual corrects infraction immediately and acknowledges the infraction.
- Second infraction: written warning and possible time off site without pay to review safety procedures.
- Third infraction: Individual banned from site.

For serious or imminent hazards, safety violations will result in temporary or permanent banishment from the site.

4.6.1 Supervisor Violation

Apex also has the right to remove and replace supervising personnel onsite who are responsible for enforcing safety practice in the event of a violation. Disciplinary measures are at the discretion of the project or program manager.

- First infraction: verbal warning with no further action if individual corrects infraction immediately and acknowledges the infraction.
- Second infraction: written warning and possible time off site without pay to review safety procedures.
- Third infraction: supervisor will be removed from job and be replaced.

4.7 Drug and Alcohol Abuse

Alcohol and drug use is strictly prohibited. Any employee found with possession or under the influence will be removed from the sight and disciplinary actions will be enforced.

5.0 HAZARD ASSESSMENT

5.1 Hazards

This section evaluates known or anticipated hazards associated with this project, as well as control measures as needed. This HASP will be revised to address additional hazards as they are identified. Work may be halted until the hazards are sufficiently controlled.

Hazards associated with this project fall into three categories:

- work activity hazards,
- site contamination hazards, and
- hazards of the locality (e.g., heat stress, flora, fauna).

In general, hazards will be controlled through:

- awareness training,
- developing and following control measures,
- employing qualified well-trained and experienced workers, and
- reporting deficiencies in control measures or newly recognized control measures to the SSHO.

5.1.1 Work Activity Hazards

Hazards associated with this project are associated with the removal of USTS and related activities. Construction will entail excavation employing heavy equipment and site grading.

5.1.1.1 Utility Line Identification

Prior to any work initiated, a private utility locator visited the site to properly mark all utilities in the working area. All lines will be clearly marked and witnessed by an Apex representative.

UST Hazard Analysis

Tank Location: _____ Analyzed By/Date: _____

Size/Contents:: _____

Principal Steps for Removal	Potential Safety/Health Hazard	Recommended Controls
Equipment Used	**Inspection Required**	**Training Requirements**

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To prevent any accidental electrocutions, any parties working in an area of utility uncertainty will discontinue operations until an extensive search and operation has been confirmed in the area to be free of any utility hazards. In addition, all overhead lines will be scouted prior to any equipment operations in a designated area.

5.1.2 Site Contamination Hazards

Fuel oil, gasoline and diesel are a complex mixture of petroleum hydrocarbons that is both toxic and combustible. Hydrocarbon components of primary concern include benzene, toluene, ethylbenzene, and xylene (BTEX).

Fuel oil, gasoline and diesel vapors are irritating to the skin, eyes, nose, and throat. If inhaled, the may cause headaches, difficult breathing, or loss of consciousness. If ingested will cause stomach irritation, vomiting, diarrhea, and central nervous system depression. Chronic contact with the skin can cause dermatitis. The component benzene is a confirmed human carcinogen (EPA, NTP, IARC).

The mixture has a characteristic aromatic odor and is combustible. The liquid is lighter than, and insoluble in, water. Its vapors are heavier than air.

Potential exposure and fire hazards associated with this contamination will be controlled by:

- avoiding excavation to depths where contamination exists, whenever feasible;
- monitoring contaminant vapor concentrations at penetrations to depths of four feet or greater and where diesel odors are detected to ensure that concentrations remain low;
- following good hygiene practices to minimize skin contact and the potential ingestion hazard; and
- using personal protective equipment (PPE) to protect workers and avoiding use of possible ignition sources if vapor concentrations become elevated.

Air monitoring shall be conducted to ensure proper selection of PPE, delineate areas where protection is needed, and assess the potential health effects of exposure.

Prior to the start of this project, all monitoring equipment shall be initially calibrated. The monitoring equipment also shall be cleaned and calibrated on site every day it is used.

5.2 Task Specific Hazards

The following subsections describe tasks/operations in terms of the specific associated hazards. In addition, protective measures to be implemented during completion of each operation also are identified.

5.2.1 Soil Excavations

5.2.1.1 *General Hazards*

Hazards encountered during soil excavation include exposure to both chemical and physical agents including:

- Exposure to airborne contaminants released during intrusive activities. Ignitable atmospheres encountered in the excavation.
- Heat stress and/or cold stress.
- Electrocution due to accidental contact with utility lines.
- Sides of excavations can cave in, possibly burying or crushing workers due to absence of shoring, misjudgment of stability, defective shoring, and/or undercut sides/sloughing.
- Falling during access/egress or while mounting or dismounting equipment, or stumbling into excavation.
- An overhead hazard can result from material, tools, rock, and/or soil falling into the excavation.
- A congested work area due to too many workers in a small area.

5.2.1.2 *Hazard Prevention*

- Monitor for airborne contaminants. Allow excavations to purge and/or use PPE.
- Identify locations of utility lines before work begins.

- Provide adequate shoring or sloping of sides of the excavation. Regularly inspect trenches for changing conditions. Requirements will vary with soil condition.
- Provide ramps or ladders to trenches every 25 feet to allow safe access and egress as required by 29 CFR 1926.652.
- Provide an adequate barrier around open pits. Material from a pit must be placed away from its edge to prevent cave ins and instability.
- To prevent overexertion, limit manual lifting and emphasize mechanical means where practical.
- Maintain ample work room between workers.

5.2.2 Subsurface Soil Sampling

5.2.2.1 *General Hazards*

All subsurface soil sampling will be conducted via grab sampling. Hazards generally associated with subsurface soil sampling include:

- Contact with or inhalation of contaminants potentially in high concentrations in sampling media.
- Back strain and muscle fatigue due to lifting, shoveling, and auguring techniques.
- Contact with or inhalation of decontamination solutions.
- Heat stress and/or cold stress.
- Electrocution due to accidental contact with utility lines.

5.2.2.2 *Hazard Prevention*

- To minimize exposure to chemical contaminants, direct-reading monitoring shall be completed and an adequate protection program shall be implemented based on measured contaminant levels.
- Proper lifting techniques (pre-lift weight assessment, use of legs, multiple personnel) will prevent back strain. Use slow easy motions when shoveling, auguring, and digging to decrease muscle strain.
- Utility line locations shall be identified before work begins.

- A material safety data sheet (MSDS) for each decontamination solution shall be included with each HASP.
- First aid equipment shall be available based on MSDS requirements.

5.2.3 Welding, Torch Cutting, Grinding, and Sawing

5.2.3.1 *Hazards*

- Welding, torch cutting, grinding, sawing, and using other sources of open flames create fire hazards.
- Potential exposure hazards, such as non-ionizing radiation, ozone, and metal fumes from surface coatings.

5.2.3.2 *Hazard Prevention*

- Use of proper PPE including eye and skin protection against radiation, sparks, and slag. Respiratory protection from metal fume, if warranted.
- Monitor for welding fume metals profile in accordance with NIOSH 7300, if deemed necessary by the CIH and SSHO.
- Complete and follow the hot work permit in Appendix D.

5.3 Hazard Monitoring

The following summarizes potential hazards associated with this project.

Waste Types:	Liquid _x_	Solid _x_	Sludge _x_	Gas ___
Describe:	Removal of USTs, ASTs, OWSs, Convaults and associated piping and soil			
Characteristics:	Corrosive ___	Flammable _X_	Radioactive ___	Toxic _x_
	Volatile _x_	Reactive ___	Inert ___	
Overall Hazard Is:	High ___	Moderate _x_	Low __	Unknown _____

Hazards of Concern (check as many as apply):

(x) Heat Stress
( ) Cold Stress
(x) Explosion/Flammable
(x) Confined Space
(x) Oxygen Deficient
(x) General Construction
(x) Projectiles/Eye Injuries
( ) Other, Specify:

(x) Volatile Compounds
(x) Inorganic Chemicals
(x) Organic Chemicals
( ) Radiological
( ) Biological
(x) Noise
(x) Trenching/Engulfment
( ) Lead Exposure

Hazardous Substances Identified at the Site

Chemical	PEL/TLV [a]	IDLH[b]	Signs and Symptoms of Overexposure
Benzene	1 ppm (8-hr.) 5 ppm (15-min)	500 ppm	Irritation of eyes, nose, respiratory system; giddiness; headache; nausea; staggered gait; fatigue; anorexia; lassitude; dermatitis; bone marrow depression; abdominal pain; carcinogen (leukemia)
Naphthalene	10 ppm	250 ppm	Irritation of eyes, nose, skin, respiratory system; headaches; excitement; nausea; profuse sweating; abdominal pain; bladder irritation; central nervous system dysfunction; liver and kidney damage
Ethyl Benzene	100 ppm	800 ppm	Irritates eyes, nose, skin, respiratory system; central nervous system dysfunction; headaches; dermatitis; narcosis
Toluene and Xylenes	100 ppm 100 ppm	2,000 ppm 900 ppm	Fatigue; irritates eyes, nose, throat; weakness; confusion; euphoria; dizziness; headache; dilated pupils; lacrimation; muscle fatigue; insomnia; dermatitis; photophobia; liver and kidney damage; central nervous system dysfunction

(a) - PEL/TLV = permissible exposure limit (OSHA) or threshold limit value (TLV) values are for time-weighted average (TWA) exposures for an 8-hour workday and 40-hour work week.
(b) - IDLH = Immediately Dangerous to Life and Health level; represents a maximum concentration from which, in the event of respiratory failure, one could escape within 30 minutes without experiencing any escape-impairing or irreversible health effects.

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5.3.1 Chemical Hazards

Air monitoring shall be conducted to ensure proper selection of PPE, to delineate areas where protection is needed, and to assess the potential health effects of exposure. Because potential exposure is associated primarily with drilling operations, monitoring will focus on this activity. Other activities or areas will be monitored if petroleum odors are detected.

Monitoring for chemical hazards shall be performed on site with direct reading instruments. A Photovac brand PID with a 10.6 eV bulb will be used to monitor for volatile organic compounds (VOCs) as total ionizable hydrocarbons. An action level of 10 parts per million (ppm) total ionizable hydrocarbons above background and sustained for five minutes shall be considered sufficient to warrant upgraded PPE requirements for all potentially exposed site workers. During inclement weather conditions (i.e., temperatures below freezing) the PID may be unreliable and the SSHO will have to determine when to upgrade PPE. Monitoring of personal breathing zones and ambient air will occur at regular intervals (at least twice per hour or more frequent if levels approach 10 ppm) within and around all pertinent site operations. Personnel who use the PID will be properly trained in its use prior to performing any monitoring.

Explosive hazards will be monitored with a combination oxygen and combustible gas meter. Any ambient air reading greater than 10 percent of the LEL will initiate immediate stoppage of all associated or nearby work functions, shut down of any potential ignition sources, and evacuation of all personnel from the area of contamination. Continuous air monitoring using a combustible gas/oxygen (O_2) meter and PID shall be performed during re-entry. If the concentration is still greater than 10 percent LEL or above the 10 ppm action level, data shall be reassessed and a new work plan incorporated into this HASP. If the concentration is below the 10 ppm action level and less than 10 percent LEL, the existing work plan shall be used.

Hazards associated with exposure to crystalline silica will be controlled by using engineering controls (i.e., wetting concrete with water).

Since all work is anticipated to be conducted in Level D PPE, no limits are provided to upgrade from Level C to Level B. Further, prior to upgrading to Level C PPE, this plan must be evaluated and revised to incorporate the elevated exposure risk and set monitoring levels for limiting Level C utilization.

Prior to the start of this project, all monitoring equipment shall be initially calibrated. The monitoring equipment also shall be cleaned and calibrated on site every day it is used. The results of daily calibrations and responses of the monitoring instruments will be recorded on Apex's Daily Reports (Appendix C). Apex shall maintain at least one back-up monitoring instrument (in Apex's warehouse) in case of instrument malfunction.

5.3.2 Heat Stress

Heat stress can be a major hazard, especially for workers wearing protective clothing. The same protective materials that shield the body from chemical exposure limit the dissipation of body heat and moisture. Personal protective clothing can therefore create a hazardous condition. Depending on the ambient temperature and the work being performed, heat stress can occur very rapidly - within as little as 15 minutes. It can pose as great a danger to worker health as chemical exposure. In its early stages, heat stress can cause rashes, cramps, discomfort, and drowsiness, resulting in impaired functional ability that threatens the safety of both the individual and co-workers. Continued heat stress can lead to heat stroke and death. Signs of heat stroke include hot, dry skin, elevated body temperature, and deliriums. Apex's SSHO will avoid imposing overly protective PPE requirements, carefully train and monitor personnel wearing protective clothing, judiciously schedule work and rest periods, and encourage workers to frequently replace fluids to protect against this hazard. For further information on heat stress, see Appendix E, Heat Stress Monitoring Guidelines, and the section on heat stress and other physiological factors.

5.3.3 Cold Stress

Cold injury (e.g., frostbite and hypothermia) and impaired ability to work are dangers at low temperatures and when the wind-chill factor is low. Pain in the hands and feet may be the first early warning of danger to cold stress. During exposure to cold, maximum severe shivering develops when the body temperature has fallen to 95

degrees Fahrenheit (°F). Useful physical or mental work is limited when severe shivering occurs. Exposure to cold will be immediately terminated for any worker when severe shivering becomes evident. Apex's SSHO will monitor the workers' physical conditions for signs of cold stress. To guard against cold stress workers will be instructed to wear appropriate clothing. Warm shelter will be readily available and work and rest periods will be scheduled.

5.3.4 Noise

Work around large equipment often creates excessive noise. The SSHO will assess the potential for excessive noise exposure at the job site and institute controls, as necessary. The effects of noise can include:

- psychological effects from workers being startled, annoyed, or distracted;
- physiological effects including physical damage, pain, temporary and/or permanent hearing loss, and reduced muscular control (when exposure is severe); and
- communication interference that may increase potential hazards due to the inability to warn of danger or properly instruct workers on required safety precautions.

Permissible noise exposures are defined in OSHA regulations (29 CFR 1910.95). Muffs, ear plugs, or other noise attenuators shall be used for hearing protection, when necessary (i.e., when noise levels have the potential of exceeding 85 dBA). All the requirements of a hearing conservation program will be implemented if time-weighted average (TWA) noise level exposures exceed 85 dBA, or the maximum noise exposure limits promulgated by OSHA.

5.3.5 General Construction

There are numerous other potential hazards associated with the construction activities and methods to be employed. SSHO will be vigilant in safety oversight of activities for compliance with applicable regulations and safe work practices; however, it is impossible to anticipate and address all potential concerns in this HASP.

5.4 PPE

All site personnel must be adequately protected from potential health and safety hazards on the site. A sufficiently complete and diverse inventory of all safety equipment necessary to meet anticipated hazards shall be made available at the site to all employees. All site personnel and any site visitors shall be instructed in the proper use of this equipment before entry to the work area is permitted.

For this project, Apex will ensure all necessary PPE is provided to site workers. The appropriate level of PPE and required procedures for its use shall periodically be evaluated by the on-site SSHO and the APM based on a review of existing data, site visits, and the air monitoring program.

Preliminary determination of levels of protection shall be based on available information. Site personnel shall be prepared to work in Level D during site activities. This required level of protection is based on anticipated potential hazards and the type of work to be performed. Should upgraded levels of protection be necessary (Level C), work activities will cease in that area until such time that this HASP can be revised, workers can receive additional training, and the required respiratory protection can be implemented.

Level D will be required for all site operations. Level C will be required if upgrading of Level D protection is deemed necessary by the APM or SSHO. PPE protection greater than Level D is not anticipated at this site. Due to the use of hammering attachments, which will be used on the backhoe for breaking concrete, silicia will not be an issue. No hand-held tools or jackhammers will be used.

5.4.1 PPE Level D

The equipment listed below comprises the project's Level D protection:

- coveralls (poly/cotton) or long-legged trousers and shirt,
- disposable coveralls (e.g., chemical resistant, when needed as determined by the SSHO/APM),
- latex or nitrile gloves (e.g., chemical resistant, when needed as determined by the SSHO/APM),

- boots (e.g., chemical resistant with steel toes/shank),
- safety glasses (when needed),
- hard hat, and
- hearing protection (optional or as required by the SSHO/APM).

5.4.2 PPE Level C

Level C PPE is designed for use when minor skin and eye protection is needed along with respiratory protection. Although no site work is anticipated to require Level C protection, and prior to upgrading to this level a respiratory protection program (including respirator fit testing) must be implemented, the following Level C PPE description is provided:

- hard hat,
- half-face piece, air-purifying respirator equipped with volatile organic cartridges and high efficiency particulate filter cartridges,
- gloves (chemical resistant with latex or nitrile, if warranted, inner gloves),
- coveralls (chemical resistant),
- steel-toe/shank safety boots (chemical resistant),
- over boots (chemical resistant),
- hearing protection (optional or as required by the SSHO/APM), and
- eye protection (goggles/safety glasses if using half-face respirator).

5.5 Respiratory Protection

A specific respiratory protection program is not required since all site work is anticipated to be conducted in Level D. However, if monitoring indicates the need for upgraded respiratory protection and engineering controls cannot be implemented to reduce exposure levels, a respiratory protection program will be instituted to protect site personnel. Since training and medical monitoring will have already been completed, the only additional requirements for implementation of respiratory protection program will be respirator selection fit testing, and specific training on the use and limitations of the selected respirator(s). Prior to initiation of any on-site work requiring respiratory protection, documented approvals will be obtained for

employees engaged in identified activities to use a respirator. The documents shall be kept on file by the worker's employer (i.e., Apex or subcontractors). These approvals will be obtained from the same physician who conducted the physical examination (including an examination of the pulmonary function) for each employee.

All site workers shall have attended a training program that educates personnel in the proper operation of the respiratory equipment, as well as its limitations. On-site air monitoring will be performed, as necessary, to assist in the selection of the proper safety equipment to be worn. Only NIOSH-approved respirators will be used. Respirators will be selected according to the OSHA and American National Standards Institute (ANSI) standards and protect against worst-case conditions anticipated for each particular work period. The users shall be instructed as to the usage, limitations, and cleaning procedure of individually-issued respirators before being allowed to start work. Site personnel will be advised during the daily safety meeting as to the type of air contaminant they are being protected against for each phase of the operation. Workers will be responsible for ensuring that the respirator is functioning properly prior to use each day.

5.6 Decontamination and Disposal

In order to minimize exposure to personnel, contact with any fuel oil, gasoline, or diesel (e.g., skin, clothing, equipment) shall be kept to a minimum through proper work and disposal procedures. Contaminated skin surfaces shall be washed with soap and water as soon as possible.

Apex will ensure that appropriate decontamination facilities are present on site for personnel and equipment that become contaminated. Decontamination procedures shall be modified as needed to reflect the specific circumstances. Levels of decontamination required will vary with the degree and nature of the contaminants.

If heavy contamination exists, the worker will proceed through total decontamination before exiting for breaks, rest rooms, or lunch periods. If there is light contamination, site personnel will perform decontamination through removal of outer work clothes. The worker will then wash his face, neck, hands, and arms before moving to the break area.

During periods when minor emergencies necessitate exiting of the contaminated zones, personnel will go through gross decontamination, drop outer garments in the area, and receive first aid at that time. If the accident is not serious, the worker will, after being treated, return to the contaminated area after redressing. If the accident is serious, the worker will be immediately transported to the hospital.

5.7 Emergency Services

Emergency services are available through the local emergency response provider. Site-specific telephone numbers are provided in Appendix A.

Apex will provide first aid kits on site and will list personnel working on site and trained in first aid along with posted response procedures. Any of these individuals who may provide first aid on site are acting in the capacity of Good Samaritans. Universal precautions against bloodborne pathogens will be practiced. At least two persons currently certified in first aid and CPR by the Red Cross or other approved agency shall be onsite at all times during site operations. Procedures for requesting emergency medical attention are found in Appendix F.

Note: If personal injury does occur on site, a mishap report shall be completed and transmitted to the APM for review and submittal to the Army Corps of Engineers (refer to Section 9.0).

5.8 Confined Space Entry

Although it is not anticipated that entry into a confined space will be conducted as part of this project, before a worker enters any enclosed area such as a pit, tank, or trench, the SSHO must first be notified and give approval to proceed. If an actual confined space is to be entered then a Confined Space Entry Permit (Appendix G) will be filled out by a qualified supervisor of the employee to enter the space or other competent person such as the SSHO.

A confined space provides the potential for unusually high concentrations of contaminants, explosive atmospheres, limited visibility, and restricted movement and, therefore, requirements must be met to ensure safe entry into, continued work in, and safe exit from confined spaces.

A confined space is a space or work area not designed or intended for normal human occupancy, having limited means of egress and poor natural ventilation; and/or any structure, including buildings or rooms, which have limited means of egress.

The following steps will be taken for confined space entry:

- The competent person will approve readiness for confined space entry and closely monitor all such activities.
- Testing will be conducted by the competent person prior to and continuously during entry, as follows:
  - test of oxygen level,
  - test for the LEL,
  - test for carbon monoxide and hydrogen sulfide, if applicable, and
  - test for other toxic gases, if applicable.
- Standby personnel will be present with approved rescue equipment [e.g., harness, safety lines, self-contained breathing apparatus (SCBAs)].
- All personnel entering confined space must wear a safety harness and suitable retrieval apparatus.
- If unacceptable levels of gases or oxygen deficient conditions are present in the confined space, the space will be ventilated until all conditions are acceptable and approved by the SSHO.

Additional information regarding confined space entry can be found in 29 CFR 1926.21, 29 CFR 1910, 29 CFR 1926.650, and NIOSH 80-106. In addition, guidelines contained in Section 06.I of EM 385-1-1 will be incorporated into the site safety and health plan, as necessary. Proper training for attendants, entrants, and supervisors will be provided before confined space entry is allowed. Apex will provide the Army Corps of Engineers with documentation certifying that training has been completed.

5.9 Site Control

The SSHO, when on site and so authorized by the client, is responsible for enforcing health and safety aspects as described in this HASP. The on-site SSHO also has the authority to stop any identified unsafe work activity or any operation that can cause significant adverse impact to the environment. It is essential to establish site control in order to ensure that personnel are properly protected against hazards in the work place, to confine the contaminated materials, and to prevent the spread of contaminated materials into clean areas.

5.10 Contingency Plan

Contingency plans for a variety of emergency scenarios are presented below and in the appendices. These plans are based on specific situations that could occur during the project. An audible yell will notify site personnel of an emergency. In general, Apex site personnel will coordinate emergency response with the necessary emergency response agency. In case of an emergency, Apex will call the fire department as soon as possible. (Note that a telephone will be on site at all times during work activities.) Additional plans, including emergency medical procedure and a fire emergency procedure, are found in Appendices F and H. Maps showing the routes from the sites to the nearest hospital and a list of emergency contact phone numbers are located in Appendix A.

5.10.1 Physical Injury to Worker

For minor injuries, routine first-aid response will be applied by trained individuals acting as Good Samaritans. A first-aid kit will be located on Apex's service truck during this project. For major injuries, an ambulance will be summoned immediately. First aid responders will obtain information about the nature of the injury from the victim if the victim is conscious. If the victim is unconscious, those providing first aid assistance will check for vital signs. Universal precautions will be followed. First aid responders who come in contact with a victim's body fluids will be afforded the opportunity to be tested for hepatitis B within 24 hours of exposure to blood/bodily fluids per 29 CFR 1910.1030.

In the event of cessation of breathing and/or cessation of heartbeat, appropriately trained (qualified) personnel will administer cardio-pulmonary resuscitation (CPR). Again, the individual will be acting as a Good Samaritan.

In the event of bleeding, broken bones, shock, burns, heat exhaustion, heat stroke, seizure, or insect sting, on-site first-aid trained personnel will evaluate the situation, administer the appropriate temporary aid, and summon assistance from the on-base emergency response providers. If the injuries are severe enough that moving the victim may aggravate the injuries, the victim shall not be moved UNLESS there is immediate danger from surrounding conditions. Modified decontamination will be performed unless doing so will further threaten the victim's life or health.

5.10.2 Localized Fire

- Sound alarm (audible yell) to notify site personnel.
- Immediately notify the Fire Department.
- Move all people in the area upwind at a safe distance.
- Render first aid to any that need it.
- Decide whether it would be advisable to attempt initial fighting of the fire ("size-up" the fire).
- If deemed advisable to attempt fighting the fire, then do so with the most appropriate means (e.g., water, fogging, foam, halon extinguishers, or covering with soil). A 16 pound multipurpose dry chemical fire extinguisher will be located on Apex's service truck during this project
- Advise and direct the fire department upon arrival of the nature of the fire.
- Assist the fire department if requested (e.g., with moving of dirt).
- As soon as the fire is extinguished, clean up any spilled material, contaminated run-off, or soil. Containerize and dispose of this material properly.

5.11 Spill Control and Spill Cleanup Activities

All spills that result in discharge to surface water, drinking water, or sewers or migrate to them before the completion of cleanup shall be reported immediately. Apex will immediately notify the local Fire Department at of any product release upon discovery, regardless of the amount. Apex will also notify the National Response Center (1-800-424-8802) and the EPA Regional Office (215-597-9800), if required. Apex will proceed to cleanup the spill with approved methods that comply with federal, state, and local laws and regulations. Cleanup will be to the satisfaction of the government.

A written report prepared by Apex shall be submitted to the Army Corps of Engineers Contracting Officer no later than seven days after a spill. The written report will be in narrative form and include, as a minimum, the following:

- description of material spilled including identity, quantity, and any manifest number;
- whether the amount spilled is EPA/state reportable and when and to whom it was reported;

- exact time and location of spill, including description of the area involved;
- containment procedures initiated;
- summary of communications with the press or government officials; and
- description of cleanup procedures employed or to be employed at the site including disposal location of spill residue.

6.0 HAZARD COMMUNICATION

In order to comply with 29 CFR 1910.1200, Hazard Communication, each contractor shall establish and maintain a written hazard communication program. All employees will be briefed on this program, and a written copy will be available on site for review. Subcontractors are responsible for maintaining separate and complete hazard communication programs.

6.1 Container Labeling

All containers received on site will be inspected to ensure that they are clearly labeled as to the contents, the appropriate hazard warnings will be noted, and the name and address of the manufacturer will be listed.

All secondary containers will be labeled with either an extra copy of the original manufacturer's label or generic labels which have spaces for identification and hazard warnings.

6.2 MSDSs

Copies of MSDSs for all hazardous chemicals known or suspected on site will be maintained in the work area. MSDSs will be available to all employees for review during each work shift.

6.3 Employee Training and Information

Prior to starting work, each employee shall attend a health and safety orientation and will receive information and training including an overview of the requirements contained in the Hazard Communication Standard, 29 CFR 1910.1200, chemicals present in their work place operations, location and availability of a written hazard program, physical and health effects of the hazardous chemicals, methods and observation techniques used to determine the presence or release of hazardous chemicals, how to lessen or prevent exposure to these hazardous chemicals through usage of control/work practices and PPE, emergency procedures to follow if one is exposed to these chemicals, how to read labels and review MSDSs to obtain appropriate hazard information, and the location of the MSDS file hazardous chemical list.

7.0 ENVIRONMENTAL MANAGEMENT

7.1 Hazardous Material Management

An inventory of all hazardous materials and waste expected to be used or generated will be compiled. Each subcontractor is expected to complete this inventory. Apex holds each subcontractor responsible for properly managing hazardous materials brought or used on site. Hazardous wastes will be minimized whenever feasible by substituting non-hazardous alternatives, reducing the quantities of hazardous materials used, and recycling.

7.2 Erosion and Sediment Control

Soil erosion and sedimentation from construction activities will be controlled to prevent direct or indirect discharge into wetlands or watercourses.

8.0 EQUIPMENT OPERATOR CERTIFICATION

All operators of heavy equipment, (e.g., backhoe operators, welders, and explosive- actuated tool operators), must be qualified and experienced. Certification must be provided indicating that operators are qualified through specific training, experience, or a combination of training and experience. Subcontractors must provide certifications or a signed statement certifying their operators qualifications to Apex. These certifications must be submitted to the Apex SSHO or APM and will be kept on site for verification.

9.0 MISHAP INVESTIGATION AND REPORTING

The SSHO will investigate mishaps involving personal injuries or property damage. The extent of the investigation will depend on the severity of the accident. The SSHO will report all accidents to the Army Corps of Engineers Contracting Officer. Apex's format for reporting mishaps is found in Appendix I.

APPENDIX A

Site Specific Information

Site: Military Ocean Terminal
Bayonne, New Jersey

Apex Project Manager: Travis M. Black
Apex CIH: Richard V. Joao, CIH
Apex SSHO: Joe Lockwood

Scope of Work: This project will include the decontamination, removal, and disposal of nine USTs, one AST, four OWSs, and seven Convaults and the ancillary and miscellaneous features associated with the tanks. Removal of related piping, disposal of tank fluids, and disposal of contaminated soil (if present) will also be performed. Soil samples will be collected from the bottom of the excavation once the USTs are removed. Construction will entail excavation, employing heavy equipment, and site restoration.

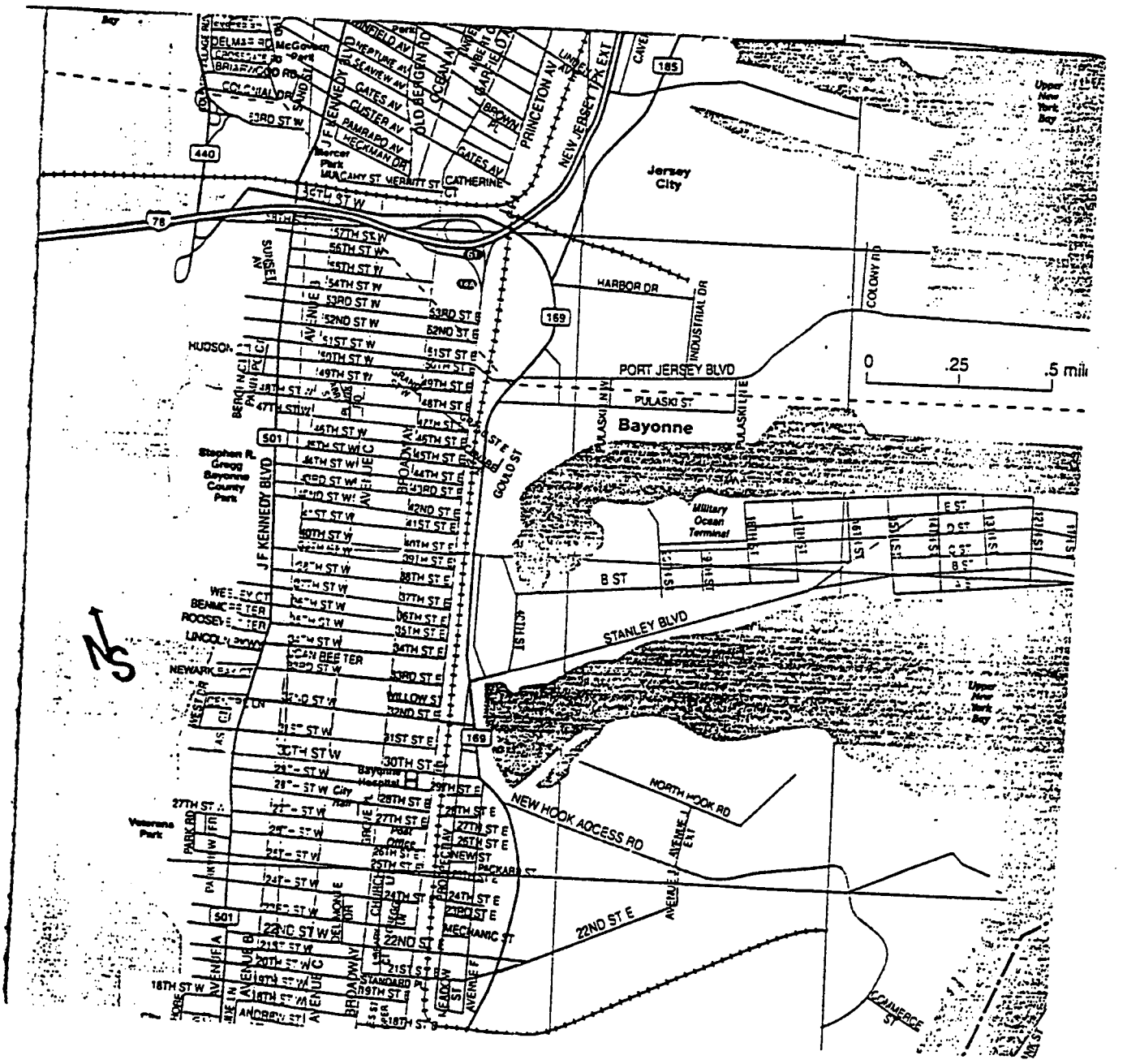
Emergency Services Telephone Numbers

- Fire Department 911
- Police Department 911
- Medical 911

The nearest hospital to the site is **City of Bayonne Hospital and Dispensary**

- **Address:** 29 East 29th Street, Bayonne, New Jersey
- **Telephone Number:** (General) (201) 915-2000
  (Emergency) 911
- **Directions:** See attached map.

Left out of Main Gate. Cross Route 169 onto Prospect Avenue. Right onto East 30th Street, Left onto Avenue E, Right onto East 29th Street, Hospital is in the middle of the block.



APPENDIX B

SSHO Resumes

Travis M. Black
Project Manager
Environmental Scientist

Mr. Black has a background in the petroleum industry. He is adept at preparing bids and writing proposals to perspective clients. His ability to involve himself in different projects makes him very knowledgeable. Mr. Black has successfully managed and coordinated his own projects. He has been involved in a number of subsurface investigations that included the delineation of contamination, soil and groundwater sampling and participating in the installation of soil borings. Mr. Black has the ability to conduct Phase I and Phase II Environmental Site Assessments. His ability to work in the field has allowed him to assist in the removal and installation of underground storage tanks as well as work with and operate equipment. Additionally, Mr. Black has participated in tasks including air monitoring, emergency spill response, and health and safety oversight.

EDUCATION

B.S., Environmental Planning, Towson University, 1996

PROFESSIONAL TRAINING/CERTIFICATION

- 8-Hr. HAZWOPER Refresher Course (9/25/99)
- 40-Hr. HAZWOPER (9/27/98)
- Confined Space Entry (3/30/98)
- Maryland Drinking Water Sampling Certification (9/15/97)

GENERAL EXPERIENCE

1998 to Present - Environmental Scientist, Apex Environmental, Inc., Rockville, Maryland.

- **Contamination Delineation/Subsurface Evaluation** – Conducted and directed subsurface investigations using a Concord Drill Rig and Geoprobe hand sampling equipment. Investigations included the delineation of contaminated soils and groundwater through the collection of samples to characterize site contamination in accordance with federal and state requirements.

- **Underground Storage Tanks** – Active site geologist and safety officer during the removal and installation of underground storage tanks (USTs) in the state of Maryland and the District of Columbia. Duties included supervising subcontractors, and regulatory agency coordination, site characterization and contamination soil and groundwater disposition, and notification and closure report preparation.

- **Remediation Activities** – Performed and assisted in the removal and installation of USTs at numerous sites. Coordinated and assisted on the installation of a Chromium filtration system. Managed and coordinated drum removal at potential golf course. Prepared daily reports on field activities and presented to clients.

- **Phase I and Phase II Environmental Site Assessments** - Performed site investigations and prepared reports for numerous environmental assessments. Site investigations included regulatory compliance, identification of potential and existing liabilities, and recommendations.

- **Other Duties** – Participated in the following tasks: Emergency spill response, air monitoring, health and safety oversight, and confined space entry.

1997 to 1998 – Source North America Corporation, Glen Burnie, MD

- **Petroleum Supplier** – Worked with and supplied clients with submittals and product information regarding the petroleum industry. Prepared bids and estimated hundreds of jobs. Maintained and sold products from hundreds of manufactures. Other duties included the inventory and shipping of equipment throughout the eastern United States.

1996 – Summer Internship, Montgomery County, Department of Environmental Protection

- **Water Quality and Pollution Assessment** – Supported Montgomery County's Department of Environmental Protection in stream water monitoring and landfill groundwater monitoring. Performed water quality sampling using analytical field instruments to measure physical properties of surface streams and groundwater. Assisted in groundwater well monitoring at Oaks county solid waste landfill. Information was compiled and data was used as research for a thesis in a Masters Program for an employee of the department.

PROJECT EXPERIENCE

Harper's Ferry National Park Services, Harper's Ferry, WV – Successfully bid and was awarded the removal of USTs and environmental cleanup throughout the National Park Service area in Harper's Ferry. Duties to include coordination of job cost, billing, subcontractors, and West Virginia EPA officials. Project due to start January of 2000.

J.C. Associates, Washington, DC – Acting project manager for the removal of a UST and installation of a temporary aboveground storage tank (AST). Coordinated the removal and treatment of contaminated soils, which occurred from the leaking UST. Met with officials from the DC Department of Health to provide recommendations for further actions. Successfully cleaned area to meet DOH standards and provided closure reports to DC officials, client and new purchaser of property. Met deadline with client to successfully follow through with property transaction. Managed all project invoicing and project costs. Received letter of recommendation from client, which has recently provided company with new work from both existing client and new clients.

U.S. Army Corps of Engineers Baltimore District Office, District of Columbia Schools – Acting site geologist/health and safety officer for project to remove USTs at numerous schools throughout the District of Columbia. Duties included the coordination of subcontractors, monitoring workers safety, communicating with the client and District of Columbia officials, as well as preparing documents and closure reports. Authority to make decisions and recommendations for further action, when acting as project manager. Other responsibilities included acting geologist during subsurface investigations. Assessed subsurface conditions in the vicinity of USTs. Conducted the use of Geoprobe hand sampling equipment and the Concord drill Rig, which was used for both environmental and engineering purposes. Soil conditions were assessed to determine if petroleum contamination would be encountered during removal activities or if shoring would be necessary to safely remove the UST(s).

U.S. Army Corps of Engineers Baltimore District Office, Fort Smallwood, MD – Acting project manager for UST and 55-gallon drum removal. Coordinated project, which included the sampling and disposal of drums, oversight of subcontractors, communicating with client and the Maryland Department of the Environment (MDE), as well as the preparation of closure report. Managed all project invoicing and project costs. Other duties included acting geologist and operator for drum removal. Received modification from contract to manage the clean up and disposal of contaminated soils encountered on site due to success of management during drum removal.

Maryland Environmental Services (MES), Dundalk Marine Terminal, MD – Assisted and coordinated in the installation a chromium filtration system. Performed confined space entry for the installation of piping and well pumps throughout the marine terminal. Operated equipment for trenching, pump installation, concrete and asphalt removal, and sludge removal. Acting firm representative for "trouble shooting" problems throughout facility.

Participated and oversaw the installation of two monitoring wells. Assisted and oversight of subcontractors throughout duration of job.

Nottingham Post Office, White Marsh, MD – Assisted in the removal of a UST. Coordinated the UST pump out and disposal off-site. Replaced soils in tank's excavation. Active geologist and coordinated with the Maryland Department of the Environmental (MDE) for recommendations for further actions.

Chambers Enterprises, Inc., Silver Spring, MD – Completed a Phase I Environmental Site Assessment of a commercial office building. The assessment was completed under standard practice for Environmental Site Assessment. The site assessment was intended to demonstrate that the client had exercised due diligence with industry practices. Interviewed site personnel and reviewed site records.

Gates, Hudson, & Associates, Inc., VA – Completed an Environmental Site Assessment of a apartment complex. Project included a subsurface investigation to determine if UST(s) were still present in the indicated areas. A magnetic locator was used to survey and probe areas of anomalies. Soil samples were collected using the Concord drill rig to assess the conditions of the subsurface indicated areas. Test pits were also dug to determine whether supply and return lines existed.

Pentagon, VA – Site geologist to sample and analyze contaminated soils located at bottom of tank excavation. Assisted in the installation of temporary piping run from the AST to the emergency generators located at the facility.

Mount Vernon College, DC – Project included a subsurface investigation to determine if USTs reportedly located on this campus had been removed. The Concord drill rig was used to probe the areas of concern as well as to collect samples. Samples were analyzed to determine whether petroleum contamination existed in the vicinity of the investigation.

Peter M. Granholm CIH, CHMM, PG, REA

Program Manager

Mr. Granholm has more than ten years of experience in performing environmental due diligence and health and safety related assessments for commercial, industrial and government sector clients. Industrial hygiene-related experience includes developing health and safety plans, design and management of asbestos and lead abatement projects, conducting noise surveys, developing Hazard Communication/Respiratory Protection programs and providing the necessary employee training, evaluating workplace exposures to hazardous chemicals, and developing complex and comprehensive indoor air quality (IAQ) investigations. Mr. Granholm has conducted environmental site assessments and due diligence studies of numerous industrial, commercial, and private sector properties in support of real estate transactions and compliance audits. He also has experience in conducting subsurface investigations, such as soil borings and installing groundwater monitoring wells. He has managed numerous projects involving compliance issues related to EPA, OSHA and state/local environmental and health and safety regulations.

EDUCATION

- B.S., Geology, George Mason University, 1987

REGISTRATIONS

- Certified Industrial Hygienist
- Professional Geologist TN
- Professional Geologist PA
- Certified Hazardous Materials Manager
- Registered Environmental Assessor (REA) CA

PROFESSIONAL TRAINING/CERTIFICATION

- VA Asbestos Management Planner License #3304-000985
- VA Asbestos Inspector License #3303-001361
- 8-Hr. EPA AHERA Insp./Mgmt. Planner Refresher
- 8-Hr. EPA AHERA Project Designer Refresher #98-04-15-03 (4/15/98)
- NIOSH 582-Certified Airborne Asbestos Analysis
- OSHA 29 CFR 1910.120 40-Hour HAZWOPER
- MD/VA 40-Hr. Lead Inspector/Risk Assessor #96-V18026 (12/6/96)
- MD Lead Risk Assessor #1726 (12/2/96)
- MFEC Portable Fire Extinguisher Use (2/7/98)
- Fleet Traffic Safety Program/Safety Council of Maryland (2/7/98)
- 8-Hr. HAZWOPER Supervisor Refresher (2/7/98)
- 12-Hr. Radiation Worker Training (GET-130) (2/1/97)
- 8-Hr. OSHA On-Site Mgmt. & Supervision #APX-9701 (2/22/97)
- HAZWOPER/Incident Commander (4/30/97)

GENERAL EXPERIENCE

1996 to Present **Apex Environmental, Inc., Rockville, Maryland**

1998 - Present - Program Manager - Supervise the Due Diligence group which combines Phase I ESAs and Health and Safety/Environmental Compliance Services.
1996 - 1998 - Project Manager

1994 to 1996 Project Manager, Dames & Moore, Bethesda, Maryland

1991 to 1994 Manager of Environmental Sciences, Carnow, Conibear & Associates, Ltd.

1989 to 1991 Project Manager, Waco, Inc.

1988 to 1989 Industrial Hygienist, Roche Analytics Laboratory

1987 to 1988 Hydrographer, Dewbery and Davis

PROJECT EXPERIENCE

- **U.S. Department of Defense Hanford Site, Washington.** Conducted industrial hygiene hazard assessments of over 12 maintenance and shop facilities at the Hanford Nuclear Site. Evaluated potential employee exposures to chemical and physical agents in the workplace, and evaluated use of hazard controls; such as local exhaust ventilation, personal protective equipment, and respiratory protection. Prepared reports of each facility that identified significant employee hazards, commented on use of hazard controls, and established an industrial hygiene monitoring plan to quantify workplace exposures to chemical/physical hazards.

- **Printing Facility, OSHA Compliance, Baltimore, Maryland.** Conducted an OSHA Health and Safety Compliance Audit of a printing facility in Baltimore, Maryland. Developed the facility's Hazard Communication Program, Respiratory Protection Program, and Hazardous Waste/Emergency Response Program. Performed indoor air quality assessments for chemical exposures, and evaluated the efficiency of the local exhaust/ventilation systems.

- **U.S. Postal Service.** Performed Environmental, Health and Safety Compliance Audits of United States Postal Service (USPS) mail distribution and vehicle maintenance facilities located in Maryland, Connecticut, District of Columbia, West Virginia, Virginia, North Carolina, South Carolina and Kentucky. Identified significant compliance issues associated with RCRA, SARA Title III, CWA, OSHA, state and local regulations, storage tanks, and USPS Environmental Guidance Documents. Provided recommendations, as necessary, to achieve regulatory compliance and improve the health and safety of affected employees. Prioritized findings to assist the client with allocating resources to correct deficiencies.

- **Landfill Closure.** Developed health and safety plans (HASP), spill response plan, and hazardous waste management plan for a landfill remediation and closure project at a U.S. Fish and Wildlife Service Research Center in Maryland. Managed the safety personnel in the field and evaluated air, soil, and waste sampling data to ensure employee and contractor safety.

- **Pipe Manufacturing Facilities, Northwest.** Performed Environmental and Health and Safety Compliance Audits of PVC pipe manufacturing facilities located in California, Washington and Oregon. Evaluated compliance issues with EPA, RCRA, SARA Title III, TSCA, OSHA as well as state and local regulations. Provided recommendations, as necessary, to achieve regulatory compliance and to perform additional investigations to characterize significant

existing and foreseeable environmental liabilities. Developed proposals and cost estimates to conduct additional investigations.

- **Resolution Trust Corporation (RTC) and the Federal Deposit Insurance Corporation (FDIC), Environmental Site Assessments.** Performed third party technical reviews of numerous Industrial Hygiene Reports, Phase I and Phase II assessments related to real estate transactions/due diligence. The technical reviews were performed to evaluate the findings of prior assessments by other consultants, and to determine whether proper field techniques and analytical methods were employed. Technical issues related to the presence of asbestos, lead-based paint, and contaminated soils/groundwater were addressed and opinions were provided to the RTC and FDIC concerning the technical adequacy and findings of the reports.

- **Major Brewery, Mid-Atlantic Region.** Conducted an OSHA Health and Safety Compliance Audit of a major brewery. The health and safety programs, such as hearing conservation, respiratory protection, hazard communication, confined space entry, and others, were evaluated and appropriate recommendations were made. A review of the hazardous chemicals used and emergency response procedures for employees was also performed.

- **Private Sector Client, Environmental Due Diligence.** Managed and coordinated Environmental Due Diligence investigations associated with the purchase of several industrial/manufacturing facilities which involved performing 32 environmental site investigations in 23 countries over a 2-week period. Site locations included industrial properties in South America, Africa, China, Japan, Europe, Turkey, Spain, Portugal and Australia. Identified potential environmental liabilities associated with the subject properties, and provided recommendations and cost estimates to correct and further evaluate potential concerns.

- **Metal Component Manufacturing Facility, Ohio.** Conducted an Environmental Compliance Audit/Due Diligence Assessment of a metal component manufacturing facility in eastern Ohio. Evaluated compliance issues with regard to EPA, RCRA, SARA Title III, TSCA, OSHA as well as state and local regulations. Provided recommendations and cost estimates, as necessary, to achieve regulatory compliance.

Indoor Air Quality

- Performed comprehensive indoor air quality assessments of commercial buildings in Kauai, Hawaii and government buildings in southern Florida following hurricane-related damages. Evaluated indoor air conditions for potential exposures to microbiological contaminants (bioaerosols) and made recommendations for remediation of building materials contaminated with fungi and bacteria.

- Performed a comprehensive indoor air quality investigation of the U.S. Department of Commerce (N.O.A.A.) office buildings in Silver Spring, Maryland. Identified a floor leveling compound in a building, which offgassed phenol, as the source of poor indoor air, offensive odor and employee complaints.

- Conducted approximately 50 indoor air quality investigations of occupied buildings to identify the source(s) of employee complaints, and to assess potential exposures to air contaminants and indicators of air quality. Evaluated a wide variety of air contaminants, including molds and fungi, formaldehyde, volatile organic compounds, and particulates and

provided recommendations, as necessary, for remedial action and improvement of indoor conditions.

Other Environmental, Health and Safety Projects. Performed environmental and health and safety audits of several Federal facilities. Duties involved PCB sampling in accordance with EPA methodologies, lead paint sampling, noise surveys, hazardous waste sampling and management consulting.

- Managed environmental projects involving lead-based paint, USTs, and asbestos abatement. Duties included design of projects to meet current Federal, state, and local regulations; development of standard operating procedures for air monitoring in confined spaces and employee exposure assessment.

- Instructor for EPA/Maryland/Virginia-approved asbestos hazard evaluation training courses for supervisors and workers.

- Evaluated employee exposures to hazardous air contaminants at industrial settings in support of occupational Safety and Health Administration (OSHA) requirements. Conducted environmental air monitoring during asbestos and lead abatement projects and provided project management to ensure compliance with job specifications and current regulations.

- **Phase I and II Environmental Assessments.** Managed and conducted numerous environmental site assessments at commercial, industrial, manufacturing and undeveloped properties in accordance with ASTM procedures and client-specific scopes-of-work. Phase I activities include site inspections, inquiries to regulatory agencies, review of environmental data bases, assessment of nearby properties of potential concern, and report preparation with recommendations, as warranted. Developed proposals and scope-of-work for additional investigations (Phase II) to characterize potential environmental liabilities. Phase II activities include conducting soil borings to evaluate potential onsite and offsite sources of contamination, installation of groundwater monitoring wells to delineate contamination plumes, asbestos surveys, lead-based paint surveys, indoor air quality assessments, and report preparation.

- **Computer Disk Manufacturer, Virginia.** Performed an environmental due diligence assessment of a 25-acre Computer Disk manufacturing facility in southwest Virginia. Evaluated the site's hazardous materials handling, storage and disposal practices, and identified potential environmental concerns that may have the ability to adversely impact the subject property.

- **Underground Storage Tanks.** Managed and conducted several UST removal projects. Activities included oversight of tank removal activities and coordination with regulatory agencies to determine clean-up objectives and soil/groundwater sampling protocols related to leaking USTs. Prepared site characterization reports (SCR) for state regulatory agencies and negotiated site closure.

- **Ground Water Monitoring Wells.** Installed groundwater monitoring wells at a confirmed leaking UST site in southern Virginia to determine contaminant plume and aquifer characteristics. Supervised drill crews and determined locations and depths of monitoring wells.

- **Federal Emergency Management Agency.** Interpreted and evaluated data to delineate flood-prone regions in support of Federal Emergency Management Agency's (FEMA) flood

insurance rate maps. Also conducted field work to measure stream conditions, recorded turbidity and flow rates, and coordinated sampling procedures to support environmental impact analysis studies.

AFFILIATIONS

- American Industrial Hygiene Association, Full Member
- American Academy of Industrial Hygiene

TECHNICAL PRESENTATIONS

- Indoor Environment Conference –1997, Baltimore, MD: Gave a technical presentation at the 5th annual indoor air quality (IAQ) conference, entitled "*Prevention of Indoor Air Contaminants Through Effective Building Management*".

- Indoor Environment Conference –1994, Washington, D.C.: Gave a technical presentation at the annual indoor air quality (IAQ) conference, entitled "*The Development of an Indoor Air Sampling Strategy*".

Thomas H. Oh

Scientist I

Mr. Oh is a broad-based professional in environmental consulting. He has a diverse background including: evaluation and development of environmental management systems and processes, regulatory compliance and business strategy development, waste minimization/pollution prevention, pollution prevention program development, CAA compliance, EPCRA reporting, hazardous materials management, RCRA waste disposal, HAZCOM plans, and developing environmental management software. In addition, Mr. Oh has completed numerous Clean Air Act compliance activities including Title V operating permits. He has applied for and obtained CAA related construction permits and assisted in projects to comply with state regulations related to Title I (RACT), Title III (Leak Detection and Repair), and Title VI (refrigerant use and record keeping). As part of his duties, he has conducted comprehensive building surveys for asbestos-containing materials (ACMs), and lead-based paint risk assessments/building inspections.

EDUCATION

- M.P.H Candidate, Environmental-Occupational Health Track, George Washington University, 2000
- B.A., Biology, The George Washington University, 1995

PROFESSIONAL TRAINING/CERTIFICATION

- 24-Hr. EPA AHERA Building Inspector
- 4-Hr. EPA/AHERA Inspector Refresher
- 16-Hr. EPA/AHERA Management Planner
- 4-Hr. EPA/ AHERA Management Planner Refresher
- Maryland EPA Lead Inspector Technician
- Virginia Licensed Management Planner
- West Virginia-Licensed Asbestos Inspector
- 8-Hr. Lead Paint Inspector Refresher
- NIOSH 582-Certified/Airborne Asbestos Sampling and Evaluation
- RMD's LPA-1 Lead Paint Inspection System
- Permit-Required Confined Space Entry Certificate
- RAD Worker II, DOE

GENERAL EXPERIENCE

1995 to Present - Environmental Scientist, Apex Environmental, Inc., Rockville, Maryland.

Environmental Management Systems. Proficient in the evaluation and development of environmental management systems and processes, regulatory compliance and business strategy development, waste minimization/pollution prevention, pollution prevention program development, EPCRA reporting, hazardous materials management, RCRA waste characterization and disposal, HAZCOM plans, and developing environmental management software.

Clean Air Act compliance. Proficient in Clean Air Act compliance support for industrial, commercial and academic facilities. Prepares plans for operating permits and manages the permitting process. Provides client support for dealing with federal, state and municipal authorities. Completed numerous emission inventories and Title V permit applications in Virginia, Maryland, and the District of Columbia.

Environmental Site Assessments. Conducted comprehensive building surveys for asbestos-containing materials (ACMs) in accordance with AHERA sampling protocols and lead-based paint risk assessments/building inspections (in accordance with OSHA and HUD guidelines). Developed on-site databases using ***HAZcad®***, Apex's environmental data management system. Industrial hygiene oversight and air monitoring of asbestos and lead abatement projects enforcing applicable federal, state, and contractual regulations.

Litigation Research. Conducted research for human health risk assessments involving pesticide exposures. In addition, conducted research on UST closure reports and site characterization reports to determine the extent of possible soil and/ or groundwater contamination.

1998-present **Epidemiologist, American Farmworker Opportunity Programs, Rossyln, Virginia.** Conducted statistical analysis of the National Farmworker database for the National Cancer Institute.

1995 **Database Assistant, Otsuka Pharmaceuticals, Rockville, Maryland.** Managed, tracked, and entered patient profiles for clinical research studies.

1995 **Research Assistant, United States Pharmacopoeia, Rockville, Maryland.** Researched literature to update toxicological profiles of various pharmaceuticals.

1994 to 1995 **Consumer Loan Administrator, Mellon Bank, Rockville, Maryland.** Prepared financial disclosures to customers. Audited creditor checks.

1991 to 1994 - **Staff Assistant, Department of Chemistry, George Washington University, Washington, DC.** Assisted professors in the daily operation of the department. Reformed record keeping by implementing a database. In charge of processing information requests from graduate and undergraduate programs in Chemistry. Counseled students with academic problems, answered letters and telephone inquiries, and maintained confidential records and files.

PROJECT EXPERIENCE

- **Environmental Management Systems, U.S. Navy, Confidential.** Provided pollution prevention planning for the U.S. Navy. The project included preparing a Baseline and Pollution Prevention Plan. These documents then served as the building blocks for a comprehensive strategy to improve environmental management at the facility. Additional programs included Solid Waste Management, Hazardous Waste/Hazardous Materials Management, Hazard Communication, and Ozone Depleting Substances Management. All programs were coordinated using a database management system developed for the facility.

- **Compliance Audits, Private Manufacturing Facilities, Nationwide.** Conducted full-scale compliance audits and limited compliance assessments for manufacturing facilities in the United States. Reviewed federal, state, and local environmental and safety regulations focusing on OSHA, RCRA, CERCLA, SARA, CAA, CWA, SDWA, and FIFRA. Prioritized non-compliant areas to maximize the efficiency of scheduling corrective actions and minimize risks in the interim. Evaluated management system effectiveness for environmental and health and safety programs.

- **Clean Air Act Compliance:**

  Private Universities and Hospitals, Washington, D.C. Part of a team to complete full-scale investigation and inspection of three hospitals and four universities in Washington, D.C. The investigation included an emissions inventory, regulatory review, and Title V permit application. The emission inventory included a field survey of each site, data collection, review of existing permits, emission calculation, and report writing. The regulatory review assessed the applicability and compliance status with state and federal air regulations for each emission source. The application included existing emission controls, process description, identification of insignificant activities, record keeping and reporting systems, and monitoring programs. The facility applications have been deemed complete by the regulatory agency.

  Sibley Hospital, Washington, D.C. Completed an air quality analysis study for the addition of several hundred parking spaces. Conducted dispersion models assessing the environmental impact of proposed construction activities (CO, CO2, SOx, and Ozone). The facility application has been deemed complete by the regulatory agency.

  Lear Corporation, nationwide. Completed emission inventories to account for all possible emission sources including fuel-burning equipment and industrial processes. Calculated emissions using AP-42 factors, when applicable, for standard sources and developing, when necessary, methodologies for calculating emissions for unique sources. Conducted regulatory reviews to determine possible non-compliance sources. Completed electronic and hard copy submittal of the Lear Corporation Title V permit application. The facility applications have been deemed complete by the regulatory agency.

  Capitol Power Plant, Washington DC. Completed emission inventories to account for all possible emission sources including fuel-burning equipment and industrial processes. Calculated emissions using AP-42 factors, when applicable, for standard sources and developing, when necessary, methodologies for calculating emissions for unique sources. The facility application has been deemed complete by the regulatory agency.

  Department of the Navy, Confidential. Completed emission inventories to account for all possible emission sources including fuel burning equipment and industrial processes. Calculated emissions using AP-42 factors, when applicable, for standard sources and developing, when necessary, methodologies for calculating emissions for unique sources. Conducted regulatory reviews to determine possible non-compliance resources. Completed electronic and hard copy submittal of the Title V permit application. In addition, recommended retrofit options and economic analysis for the reduction of Ozone Depleting Substances (Title VI).

- **Indoor Air Quality Investigations, U.S. Navy, Confidential.** Conducted emergency indoor air quality investigations of occupied buildings to identify the source(s) of employee complaints and to assess potential exposures to air contaminants and indicators of air quality. Evaluated a wide variety of air contaminants, including molds and fungi, formaldehyde, volatile organic compounds, and particulates, and provided recommendations, as necessary, for remedial action and improvement of indoor conditions.

Environmental Site Assessments and Industrial Hygiene Oversight:

- **U.S. Postal Service, Baltimore District.** Project team member for hazardous materials surveys (asbestos, lead in paint, and radon) of postal service facilities in the Baltimore District. Facilities included post offices, vehicle maintenance facilities, and office spaces.

- **Department of the Army, Washington DC, Maryland, and Virginia.**

  - Aberdeen Proving Grounds, Maryland. EPA accredited Lead Inspector/Risk Assessor whose primary responsibilities included training Army personnel in the use of the MAP-4 X-ray fluorescence lead-in-paint inspection system.

  - Fort Meade Army Base, Fort Meade, Maryland. Provided industrial hygiene oversight and air monitoring during asbestos abatement at a variety of facilities including residential housing, office buildings, and similar buildings.

  - U.S. Army Reserve Centers, Maryland, Delaware, Virginia. Provided industrial hygiene oversight and air monitoring during asbestos and lead of firing ranges at a variety of facilities along the East Coast.

  - Walter Reed Army Medical Center, Maryland. Provided industrial hygiene oversight and air monitoring during asbestos abatement at various facilities.

- **Department of the Navy, Washington D.C., and Maryland.** Conducted environmental compliance audits and prepared an environmental management plan of several unnamed facilities.

  - Bolling Air Force Base, Washington, D.C. Provided industrial hygiene oversight and air monitoring during asbestos abatement at a variety of facilities including residential housing, barracks, office buildings, and similar buildings on the base.

  - The Pentagon, Navy Annex, Navy Yard, Naval Observatory, Washington, D.C. Provided industrial hygiene oversight and air monitoring during asbestos and lead abatement in various office buildings.

- **Department of State, Washington, D.C., and worldwide.** Provided industrial hygiene oversight and air monitoring during asbestos abatement at State Department buildings. The project also involved inspecting a variety of facilities including embassies, residential housing, office buildings, barracks, and similar buildings for the presence of ACBM. All data were gathered using hand held computers and entered into Apex's ***HAZcad®*** Environmental Management System.

- **National Institutes of Health, Bethesda, Maryland.** Managed asbestos and lead building surveys, abatement design, and abatement monitoring in multiple campus facilities. Developed abatement plans in conjunction with large-scale renovation projects.

Provided abatement management and oversight during sensitive projects in occupied hospital facilities.

- **National Institutes of Health, Poolesville, Maryland.** Provided site management and air monitoring during asbestos abatement. Coordinated field activities and schedules around research facilities requirements.

- **Private University, New York.** Participated in the asbestos program development for a major university. Over 8 million s.f. of building were surveyed and input into ***HAZcad®.*** An overall program is being developed to manage the asbestos in place, including coordination with planners, surveyors, and maintenance activities.

- **Underground Storage Tanks, Maryland and Washington, D.C.** Conducted several UST removal projects. Activities included oversight of tank removal activities and coordination with regulatory agencies to determine clean-up objectives and soil/groundwater sampling protocols related to leaking USTs.

- **Abex Friction Products, Inc. (Cooper Industries), Virginia.** Provided industrial hygiene oversight and air monitoring during abatement of asbestos-containing dust which occurred as residue from brake manufacturing operations. Project encompassed more than 500,000 square feet of plant space.

- **CSN Management Corporation, Washington, D.C.** Provided industrial hygiene oversight and air monitoring for over $100,000 of asbestos abatement and mechanical upgrades in occupied apartment units.

- **Archdiocese of Washington, D.C., Washington, D.C.** Assisted in developing a comprehensive program of building inspection, and periodic facility maintenance for the Archdiocese of Washington, D.C. asbestos program.

- **Giant Food, Inc., Maryland.** Industrial Hygienist responsible for health and safety monitoring and recommending proper personal protective equipment (PPE) for site personnel during the remediation of contaminated soil and oil spills at the Giant Food Fleet Maintenance Facility.

PROFESSIONAL AFFILIATIONS

Member, American Industrial Hygiene Association (AIHA)
Member, American Public Health Association (APHA)

AWARDS

Presidential Management Internship (PMI) Fellowship Semi-Finalist (1998)

Richard A. Kinna
Superintendent

Mr. Kinna has 19 years of experience in all phases of petroleum construction. His experience includes removal, testing, and installation of USTs and ASTs. He has been directly involved with hundreds of turnkey environmental and construction management projects. He is certified by the manufacturers of petroleum equipment for the installation of their equipment including, but not limited to, fiberglass tanks and pipes, flexible piping systems and electronic monitoring devices. He has many years of experience in the DC area and knows the regulations and the regulators in these jurisdictions. He has an extensive network of suppliers and specialty subcontractors.

REGISTRATIONS

MDE Underground Storage System Installer MDIC 96-0236 (2/96)

PROFESSIONAL TRAINING/CERTIFICATION

- APT Poly-Tech™ Flexible Underground Piping System (8/17/95)
- GeoFlex System Factory Training Program (6/15/94)
- GeoFlex System Refresher (5/3/96)
- 40-Hr. HAZWOPER [20 CFR 1910.120 (e) (3)] (8/12/96)
- 8-Hr. HAZWOPER Supervisor Refresher (2/7/98)
- Ameron Fiberglass Piping Systems Installation Certification (12/28/95)
- Ameron Dualoy 3000/L™ Fiberglass Pipe Training Program (9/25/91)
- Xerxes Installation Contractor Certification (9/26/91)
- Cathodic Protection - Impressed Current Systems
- Fleet Traffic Safety Program/Safety Council of Maryland (2/7/98)
- MFEC Portable Fire Extinguishers (2/7/98)
- Core Radiological Training
- Supervisor training conference

GENERAL EXPERIENCE

1997 to Present **Superintendent, Apex Environmental, Inc., Rockville, Maryland.** Removal, upgrade, and installation of underground storage tanks (USTs). Oversees all tank work in the field. Performs site visits and take-off for bids. Coordinates crews day to day operations. Answers technical questions.

1996 to 1997 **Working Foreman, Goode-Omega, Virginia.** Responsible for UST removal, replacement, and upgrading. Major oil companies, government, and property management companies. Major emphasis on major oil companies. Quality control and health & safety officer.

1981 to 1996 **Working Foreman, Calco Installation & Service, Inc., Maryland.** Equipment operator. Responsible for the removal, replacement, and upgrade of USTs for major oil companies, government, and property management companies. Received training and certification from several petroleum manufacturers. Quality control and health & safety officer as well.

PROJECT EXPERIENCE

- **Site Foreman, University of Maryland, College Park.** Responsible for removal, upgrade, and installation of USTs for the University of Maryland College Park campus. This on-going project covers the entire campus and involves multiple task orders.

- **Site Foreman, Various Locations, Sub-contractor to Paragon Environmental Services.** Responsible for removal, upgrade, installation, and/or abandonment of USTs at various sites. Each action to be taken according to its specific task order.

- **Site Foreman, George Washington University.** Responsible for turnkey operations, including design, removal, and reinstallation of USTs throughout the GWU campus. A total of ten tanks were removed and eight were reinstalled.

- **Site Foreman, National Park Service, Harpers Ferry, WV.** Responsible for removal of eight and reinstallation of seven USTs, ranging in size from 550-gallon to 5,000-gallon capacities. Work was scheduled to accommodate low tourist/usage seasons. Approximately 40 tons of contaminated soils were removed and disposed of.

- **Site Foreman, General Services Administration, Germantown, MD.** Responsible for removal of nine USTs, abandonment of one UST, and installation of seven replacement UST systems. Upon discovery of a soil leak, samples were taken, and the pits were excavated. Soils were removed according to MDE requirements, and hauled offsite for treatment. Temporary tanks were provided during the excavation to provide uninterrupted service to the emergency generators and boilers.

- **Site Foreman, WMATA, Various sites in Washington, DC and Virginia.** Responsible for the removal, upgrade, and installation of USTs throughout the DC/VA area. This project valued at over $1.3 million.

- **Foreman, Petroleum Manufacturers.** Removal and installation/upgrading of USTs at all sites. Installation of monitoring systems at these same sites.

- **Site Foreman/Project Manager: National Institute of Standard Tehnology;** Removal of two 75,000-gallon tanks; installation of eight 30,000-gallon tanks for boiler plant.

- **Site Foreman.** 2 ground up gas stations; tanks canopy concrete blacktop subs.

- **QA-QC** officer on District of Columbia schools jobs with U.S. Army Corps of Engineers.

- **USPS** – Maryland/Virginia. Inspected numerous facilities for environmental compliance. Provided training to USPS employees on use of electronic monitoring systems. Upgraded and removed underground storage tanks throughout Virginia Tidewater area. (Has been requested by name by USPS personnel).

- **Superintendent** for the U.S. Army Corps of Engineers project to upgrade, remove and install emergency generators at DC Public School facilities. Responsibilities included coordinating both with School officials, Corp. personnel, and project crew to perform work with the least amount of disruption to School facilities and maintain project schedules to complete the work in an efficient manner.

Richard A. Kinna
Superintendent

Mr. Kinna has 19 years of experience in all phases of petroleum construction. His experience includes removal, testing, and installation of USTs and ASTs. He has been directly involved with hundreds of turnkey environmental and construction management projects. He is certified by the manufacturers of petroleum equipment for the installation of their equipment including, but not limited to, fiberglass tanks and pipes, flexible piping systems and electronic monitoring devices. He has many years of experience in the DC area and knows the regulations and the regulators in these jurisdictions. He has an extensive network of suppliers and specialty subcontractors.

REGISTRATIONS

MDE Underground Storage System Installer-MDIC 96-0236 (2/96)

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- Ameron Dualoy 3000/L™ Fiberglass Pipe Training Program (9/25/91)
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1981 to 1996 **Working Foreman, Calco Installation & Service, Inc., Maryland.** Equipment operator. Responsible for the removal, replacement, and upgrade of USTs for major oil companies, government, and property management companies. Received training and certification from several petroleum manufacturers. Quality control and health & safety officer as well.

PROJECT EXPERIENCE

- **Site Foreman, University of Maryland, College Park.** Responsible for removal, upgrade, and installation of USTs for the University of Maryland College Park campus. This on-going project covers the entire campus and involves multiple task orders.

- **Site Foreman, Various Locations, Sub-contractor to Paragon Environmental Services.** Responsible for removal, upgrade, installation, and/or abandonment of USTs at various sites. Each action to be taken according to its specific task order.

- **Site Foreman, George Washington University.** Responsible for turnkey operations, including design, removal, and reinstallation of USTs throughout the GWU campus. A total of ten tanks were removed and eight were reinstalled.

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- **Site Foreman.** 2 ground up gas stations; tanks canopy concrete blacktop subs.

- **QA-QC** officer on District of Columbia schools jobs with U.S. Army Corps of Engineers.

- **USPS** – Maryland/Virginia. Inspected numerous facilities for environmental compliance. Provided training to USPS employees on use of electronic monitoring systems. Upgraded and removed underground storage tanks throughout Virginia Tidewater area. (Has been requested by name by USPS personnel).

- **Superintendent** for the U.S. Army Corps of Engineers project to upgrade, remove and install emergency generators at DC Public School facilities. Responsibilities included coordinating both with School officials, Corp. personnel, and project crew to perform work with the least amount of disruption to School facilities and maintain project schedules to complete the work in an efficient manner.

APPENDIX C

Daily Report

DAILY REPORT

Job No.: _____
Date: _____
Client Name: _____
Work Location: _____
Weather Conditions: _____
Employees Present: _____
PPE/Work Equipment Used: _____

(Atmospheric Screening)

Time	Oxygen (%)	LEL (%)	Total Organic Vapors (ppm)	Tested By
Health and Safety Notes Issues: _____				

Name: _____

Name: _____ PID Calibrated to: _____

Date: _____ O_2/LEL Meter Condition: _____

Time on-site: Arrival: _____ Departure: _____

Daily Copies to: _____

_____

Description of Site Activities: _____

_____

_____

_____

_____

_____

Deficiencies: _____

_____

_____

_____

_____

_____

Deficiency Corrections: _____

_____

_____

_____

_____

_____

Note: Soil field screening data attached.

Name: _____

APPENDIX E

Heat Stress Monitoring Guidelines

HEAT STRESS MONITORING GUIDELINES

Because the occurrence of heat stress depends on a variety of factors, all workers, even those not wearing protective equipment, should be monitored.

- For workers wearing permeable clothing (e.g., standard cotton or synthetic work clothes), follow recommendations for monitoring requirements and suggested work/rest schedules in the latest ACGIH TLVs for Heat Stress. If actual clothing worn differs from the ACGIH standard ensemble in insulation value and/or wind and vapor permeability, change the monitoring requirements and work/rest schedules accordingly.

- For workers wearing semipermeable or impermeable encapsulating ensembles, monitor when the ambient temperature is above 70°F. It may also be necessary to monitor at lower temperatures if humidity is high. (Although no protective ensemble is "completely" impermeable, for practical purposes an outfit may be considered impermeable when calculating heat stress risk.) The frequency of physiological monitoring will follow the guidelines contained in the NIOSH/OSHA/USCG/EPA document "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities.

To monitor the worker, measure:

- Heart rate. Count the radial pulse during a 30-second period immediately following the end of a work period.

  - If the heart rate exceeds 140 beats per minute (bpm) at the end of a work period and 100 bpm at the end of a rest period, shorten the next work cycle by one-third or lengthen the rest period by one-third.

  - If the heart rate still exceeds 140 bpmat the end of the next work cycle, shorten the following work cycle by one-third or lengthen the rest period by one-third.

  - If the sustained heart rate exceeds 160 bpm at any time all work will cease.

- Oral Temperature. Use a clinical thermometer (3 minutes under the tongue) or similar device.

  - If oral temperature exceeds 99.6°F, shorten the next work cycle by one-third or lengthen the rest period by one-third.

  - If oral temperature still exceeds 99.6°F at the end of the next work cycle, shorten the following work cycle by one-third or lengthen the rest period by one-third.

  - Do NOT permit a worker to wear a semipermeable or impermeable garment when his/her oral temperature exceeds 100.6°F.

- Skin Temperature. Measure medial thigh temperature after skin temperature reaches its equilibrium level (usually, after just 10 minutes of work in the heat).

  - If skin temperature exceeds 96.8 F (36°C), a worker will have difficulty maintaining an acceptable heat balance. Consider cessation of work in the heat.

  - If skin temperature exceeds 98.6 F (37°C), cease all work in the heat.

- Body weight, if possible. Measure at the beginning and end of each work day to see if enough fluids are being taken to prevent dehydration. Do not allow more than a 1.5 percent body weight loss in a work day.

The frequency of physiological monitoring depends on the air temperature adjusted for solar radiation and the level of physical work. Energy levels for work rarely exceed 250 kcal per hour, except for short bursts of hard labor. The length of the work cycle will be governed by the frequency of the required physiological monitoring.

APPENDIX F

Emergency Contacts and Procedures

EMERGENCY MEDICAL PROCEDURE

POLICY: It is the policy of Apex Environmental (Apex), Inc., to provide for emergency medical assistance to all employees and subcontractor personnel who are injured on the job site.

PURPOSE: The purpose of this policy is to outline the steps to be taken for providing first aid response, Emergency Medical Technician (EMT) response, ambulance services for transport, life flight (air rescue), and provide an administrative mechanism for reporting of all injuries.

RESPONSIBILITIES:

1. All Apex employees and subcontractor personnel are held responsible for reporting work related injuries to their immediate supervisor.

2. All supervisors are to complete workmen's compensation accident report forms and submit them to the APM within 24 hours after an employee or subcontractor personnel report of an injury.

3. All employees have the authority to request an ambulance or helicopter if needed.

SCOPE: This procedure applies to all employees including subcontractor personnel.

REFERENCES: CFR 29 1926.20-General Safety and Health Provisions
CFR 29 1926.50-Medical Services and First Aid

PROCEDURES:

A. Medical Services and First Aid

1. The SSHO identifies the availability of qualified and trained first aid personnel to perform limited first aid for initial minor medical care.

2. The SSHO ensures that an agreement is in place to provide immediate and prompt medical attention in case of a serious injury on the job site.

3. Any person who has a valid certificate in first aid or equivalent may render first and until ambulance, EMT, or medical response personnel arrived to render service. Such individuals are acting as Good Samaritans.

4. The SSHO or designee ensures adequate first aid supplies are maintained on site. These supplies will be inventoried on a monthly basis. Shown on Appendix C, Attachment 1 is the list of first aid kit items that have been approved by the consulting physician, stored in a waterproof container with individual-sealed packages for each type of item.

5. SSHO ensures proper equipment (e.g., stretchers) are available for transport of a injured persons to await arrival of ambulance.

6. SSHO shall ensure that emergency telephone numbers are conspicuously posted for the following emergency services:

   - Contract Medical Physician
   - Hospital Emergency Room
   - Ambulance Services

- Fire Department
- Air Flight (helicopter)
- Local Police

B. Initial First Aid Treatment

The trained and qualified first aides will respond to any medical emergency. When the first aides arrive at the accident scene, other employees and subcontractors shall yield responsibilities to them.

C. Call For Ambulance

1. Emergency ambulance services or helicopter transport can be ordered by any of the following personnel:

   - APM
   - Subcontractor Supervisors
   - Trained First Aid Specialist
   - During off-shift by an employee or subcontractor

2. Prior to the arrival of the ambulance, an employee or subcontractor employee shall be deployed to the construction site main gate to direct the ambulance to where the injured personnel are located.

3. When the ambulance arrives, a verbal report will be given to the EMT by the First Aid Specialist on the medical condition of the injured person and the First Aid person will yield treatment to the ambulance EMT.

D. Call For Life Flight (Helicopter Ambulance)

1. The APM, Subcontractor Supervisor or, in his absence, either SSHO or subcontractor supervisor or the First Aid responder has the authority to request air rescue (helicopter service) for emergency medical calls.

2. When to Call: Caution must be exercised to avoid unnecessary calls for minor injuries or illnesses that do not warrant rapid transport to medical facilities. Crushing type injuries, amputations, severe fractures, extensive bleeding, poisoning, heart attack, and head injuries are examples of serious injuries that may require rapid transport by calling for helicopter rescues.

3. Requesting Medical Assistance:

   a. All personnel who have the authority to request and are aware of the accident, must make a rapid evaluation of the extent of injury and then exercise one of following options:

      (1) call for an ambulance to transport the injured, or
      (2) call for helicopter service, if the injury is serious.

   b. During either case, furnish the information contained in Appendix D, Attachment 2, Checklist for Emergency Response Assistance

Attachment 1
Inventory Listing of Available First Aid Kit Items

ITEM DESCRIPTION	QUANTITY
Standard Industrial First Aid Kit	1
Eye Wash Station	1

Attachment 2
Checklist for Emergency Response Assistance

TO REQUEST EMERGENCY MEDICAL ASSISTANCE:

Call Emergency Medical Service (EMS) The caller should:

- State his/her name and telephone number where calling from;
- Describe the nature of the emergency;
- Describe the location;
- Determine with the dispatcher, where to meet the responding emergency team;
- Send someone to meet the team; and
- Refrain from hanging up the telephone until instructed.

REQUEST FOR EMERGENCY MEDICAL ASSISTANCE

Job Site Location: _____

_____

Your Name: _____ Telephone No. _____

Condition of Injured Injury: _____

_____

Type and Extent of Injury: _____

_____

Any Requirements For Decontamination: Yes (___) No (___)

REQUEST FOR EMERGENCY FIRE DEPARTMENT ASSISTANCE

Your Name: _____ Telephone No. _____

Location of Job Site: _____

Type and Extent of Fire: (e.g., petroleum, gas, electric or structure)

_____

_____

Any Special Requirements: _____

_____

_____

APPENDIX G

Confined Space Entry Permit

CONFINED SPACE ENTRY PERMIT

This permit is valid only for the times and dates stated below. It becomes void if conditions or description of work changes or at the end of the shift (not to exceed 12 hours). The permit may be extended for additional shifts by recertification of acceptable conditions. New personnel entering the confined space during the shift and new supervisor must sign this permit.

Location of or Name of
Confined Space: _____

Date: _____
Time Permit Issued: _____
Time Permit Expires: _____

This is a _____ Class A Confined Space (required an attendant)
Class B - Confined Space

Work to be done: _____
_____

Supervisor's Check List

		Yes	No	Not Applicable
1.	Is this entry necessary?			
2.	Space empty, cleaned, flushed, cooled, purged?			
3.	Pipelines blanked or blocked and bled?			
4.	All pumps servicing the space locked/tagged out?			
5.	Mechanical equipment inside space locked/tagged out?			
6.	Electrical equipment locked/tagged out?			
7.	Mechanical ventilation provided?			
8.	Atmosphere tested and within parameters?			
9.	Personal atmospheric monitors available and tested?			
10	Periodic testing for toxic materials required?			
11	Safe means provided for entry/exit into/from space?			
12	Rescue team available at plant or from outside?			
13	Communication equipment and/or alarms available and checked?			
14	Trained attendant assigned and stationed outside space?			
15	Personal entry log established?			
16	Welding/flame permit issued?			
17.	Portable electrical equipment of low voltage or double insulated type; or ground fault circuit used?			

18	Adequate lighting provided?			
19	Entrants trained on hazards of confined spaces?			
20	Personal protective equipment required: (check)			

Respiratory _____ goggles _____ face shield
Protective clothing _____ boots _____ gloves
Hard hat _____ lifelines _____ hearing protection
Safety harness/belts _____ chemical resistance suit
Other _____

If No is checked on any of the above, an explanation of the reason for the exception must be given. _____

Signature of Personnel Entering Space: _____
Signature of Attendant: _____

CONFINED SPACE ENTRY PERMIT (cont'd)

Atmospheric Tests

Date/Time	Oxygen (range: 19.5 to 23%)	Flammability (< 10% LEL)	Toxicity (< OSHA FEL)	Qualified Person Making Test

I have personally checked the conditions necessary and specified, and approve entry into this confined space.

Supervisor(s): _____ Date: _____ Time: _____

APPENDIX H

Fire Emergency Procedure

FIRE EMERGENCY PROCEDURE

POLICY: It is the policy of Apex Environmental (Apex), Inc. and its subcontractors to provide a safe work area in accordance with city, state, and federal OSHA and NFPA standards.

PURPOSE: The purpose of this policy is to outline the steps to be taken for the establishment, maintenance, and conduct of an on going fire prevention program for this construction job site including requests for city emergency response in the event of a fire emergency situation.

RESPONSIBILITIES:

1. Apex employees and subcontractors are responsible for providing fire protection services and good housekeeping to reduce and/or to prevent accidents involving possible fire emergency situations.

2. Apex's Project Manager will designate an individual to conduct fire and safety surveys to reduce the possibility of fire emergency on a daily basis and this SSHO is responsible for:

   a. An adequate supply of appropriate portable fire extinguishers to support all operations being conducted on the job site.

   b. Appropriate inspection and placement of fire extinguishers and servicing on a periodical basis as required by NFPA standards.

   c. Providing Apex and subcontractor employees with appropriate training in the operation of portable fire extinguishing equipment.

   d. Having adequate supply of back-up as replacement fire extinguishers on site.

   e. The first person aware of any minor or major fire incident will be responsible for notification of the fire department.

   f. The designated SSHO will perform periodic job safety surveys to correct unsafe conditions and violations of OSHA and NFPA standards. Written reports of the surveys will be given to Apex's Project Manager.

   g. The following topics should be included in the employee and subcontractor training program:

      (1) job site fire and chemical hazards,
      (2) emergency evacuation procedures,
      (3) accountability methods and procedures,
      (4) rescue and medical duties,
      (5) reporting procedures to obtain outside assistance, and
      (6) available alarm systems.

REFERENCES:

29 CFR 1926.150-Fire Protection
29 CFR 1926.151-Fire Prevention
29 CFR 1910.38-Employee Emergency Plans and Fire Prevention Plans

PROCEDURES:

1. Localized Fire Emergency

- Immediately sound alarm.
- Call fire department.
- Evacuate all personnel upwind to a safe distance.
- Perform accountability procedure. If personnel are missing, form search/rescue party.
- Render first aid if necessary.
- Call for medical assistance, if needed.
- If fire can be initially stopped from spreading, use appropriate fire extinguisher.
- Dispatch person to main gate to direct fire department.
- Provide senior fireman with applicable information as needed.
- Provide manpower to assist fire department as required.
- Provide manpower to recover from fire incident and perform clean up effort, disposing of material properly.

NOTE: Site Superintendent shall notify Apex's Project Manager [301/417-0200] on the incident details as soon as all information is available.

2. Uncontrolled Fire Releasing Toxic Gases

- Immediately sound the alarm.
- Call fire department.
- Evacuate site personnel upwind to a safe distance.
- Perform accountability of site personnel.
- Render first aid to injured as required.
- Deploy search and rescue team to locate missing personnel.
- Decontaminate personnel as required.
- Notify ambulance and police.
- Notify all downwind residents, entities, and organizations that may be affected to evacuate the area, if required Police with assist in notifications.
- Standby to assist the fire department with information about the nature of the material on fire and the site, with heavy equipment and specialized equipment (e.g., chemical suits, decontamination unit, detection equipment).
- As soon as the fire is extinguished, clean up any spilled material and contaminated run-off or soil, containerize, and dispose properly.

NOTE: Apex's Project Manager will notify the Army Corps of Engineers Contracting Officer when emergency details are known concerning actions taken.

APPENDIX I

Injury/Exposure Incident Report Forms

EMPLOYEE INJURY/EXPOSURE INCIDENT REPORT

On back of sheets, write a narrative summary of the incident, as appropriate, use other sheets as necessary.

Name: _____

Social Security Number: _____

Firm/Region: _____

Name of Supervisor: _____

Date of Report: _____

Site Name: _____

Task/Phase: _____

Incident Type: _____ possible exposure _____ exposure _____ injury

Date of Incident: _____ Time: _____ a.m. _____ p.m.

Exact Location: _____

Site Conditions at Time of Incident:

temperature _____ wind speed and direction

humidity _____ cloud cover

precipitation _____ other

Type of Exposure/Injury: _____

_____

Material Exposed to (e.g., chemical compound name, physical state.): _____

_____

Nature of Exposure/Injury (part(s) of body exposed/injured, etc.): _____

_____

How Could this Exposure/Injury have been Prevented? _____

_____

Medical Care Received (when, where, by whom): _____

_____

Has Exposure/Injury Resulted in:

death _____ permanent disability _____ temporary disability

loss of work time _____ other (explain) _____

EMPLOYEE INJURY/EXPOSURE INCIDENT REPORT

MONTHLY INJURY/EXPOSURE REPORT

Name: _____

Social Security Number: _____

Firm/Region: _____

During (month/year): _____ to the best of my knowledge, I have/have not (circle one) received reportable exposure or been injured on the job. I have been on the following sites:

Site Name	Site Number

If have was circled above, or if you wish to report any occurrences with respect to health and safety, please fill out the applicable sections of the remainder of this form.

Signed: _____

If the employee has received a reportable exposure, or if any injury has occurred as indicated by circling have previously, an Injury/Exposure Report must be submitted to the Site Safety and Health Supervisor (SSHO).

If you wish to report any occurrences with respect to health and safety, please answer the following:

	Yes	No
Any occurrences with respect to health and safety?		
Any violations of health and safety rules observed?		
Any physical difficulties while on assignment?		
Any exposure or injury?		
Was an Injury/Exposure Report submitted?		
Date Injury/Exposure Report submitted:		

Comments or suggestions:

_____

_____

_____

_____

_____

_____

Apex environmental, inc.®

15850 Crabbs Branch Way
Suite 200
Rockville, MD 20855
Telephone 301-417-0200
Facsimile 301-975-0169

September 20, 2000

Mr. Ronald D. Conetta
Contracting Officer's Representative
Metro West Resident Office
Building 408, Ft. Hamilton
Brooklyn, NY 11252

Re: Quality Assurance and Control Pan

Dear Mr. Conetta:

All materials brought onto the site were field screened both visually and with a properly calibrated photo-ionization detector (PID). These materials include, Asphalt, Concrete, ¾" crushed stone, DGA Quarry processed stone (AKA CR6), Top-soil, Seed and Hay. Based on the screening during the delivery operations of these materials, no elevated concentrations of volatile organics were detected nor did any of the materials demonstrate discoloration stains or odors other than what is typical or can be expected for each of the above noted materials. Finally, during the coarse of this project, no hazardous materials were utilized and/or brought on-site by Apex personnel.

If there are any questions regarding this transmission, please do not hesitate to call so that we may discuss them

Sincerely,

Joseph R. Lockwood
Environmental program Manager
MOTBY Project Supervisior/Quality assurance Officer/Health & Safety Officer

R514;USACE/RIR 0001 (10352.013);LES/maf

Apex environmental, inc.

15850 Crabbs Branch Way
Suite 200
Rockville, MD 20855
Telephone 301-417-0200
Facsimile 301-975-0169

QUALTIY CONTROL PLAN

for the

Removal and Disposal of the Underground Storage Tanks, Aboveground Storage Tanks, and Oil/Water Separators

Located at

The Military Ocean Terminal
Bayonne, New Jersey

Apex Job No: 10352.013

June 2000

Prepared for:

Mr. Ronald D. Connetta
Contracting Officer's Representative
Metro West Resident Office
Building 408, Ft. Hamilton
Brooklyn, NY 11252

Prepared by:

Travis M. Black
Project Manager
Remediation Services

Reviewed by:

James L. Robinson
Program Manager
Remediation Services

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PART A: CORPORATE CAPABILITIES

A.1 Introduction

Apex Environmental, Inc. (Apex) is pleased to offer its considerable tank experience to the U.S. Army Corps of Engineers (USACE). Founded in 1988 to provide high quality, cost-effective services, Apex is a comprehensive environmental firm with a construction division that specializes in tank work. Our strengths are in turnkey environmental construction and environmental health and safety. This combination of professional environmental, health, and safety disciplines and construction within one company offers a unique advantage. Apex can provide mostly its own personnel to support this USACE contract as shown in the organizational chart in Figure A-1.

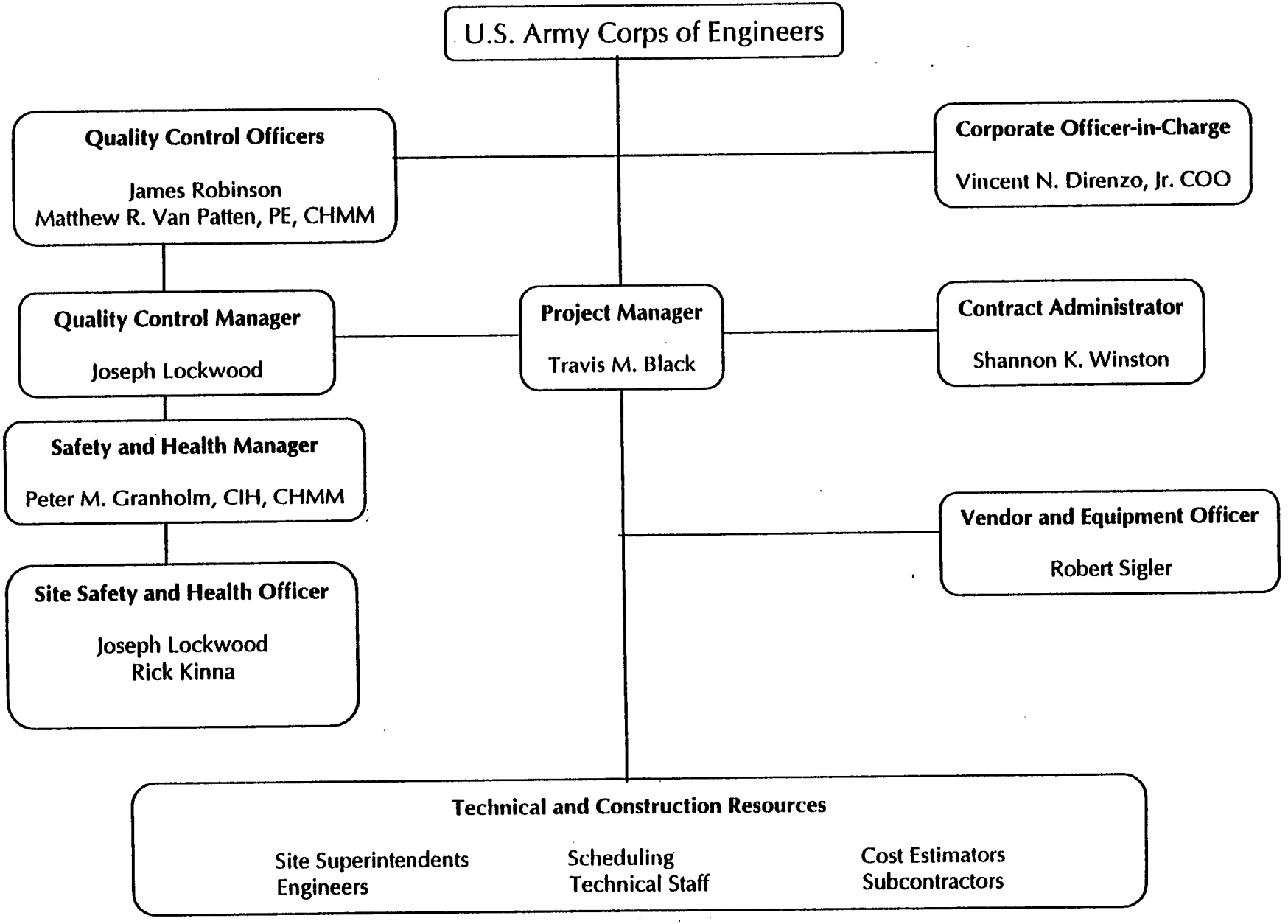
Apex has grown through expansion from within, not by merger or acquisition. Our goal is to establish long-term partnerships with our customers and work smart to retain their trust. As a small business, we know that our reputation is built one job at a time. With 140 employees in twelve offices, we focus on delivering "personal" service by experienced managers. Apex is bondable to $10 million and carries all required insurance and pollution liability.

Apex is especially well known for the quick and cost-effective response necessary for the success of this contract. Because tank work is a major business area for Apex, this contract would receive the highest level of attention from top management. Apex exercises strict management controls over the planning and performance of all contracts to ensure efficient and consistent quality.

Apex ranked 129th on ENR's recent list of the top 200 environmental firms. We have been honored by the Associated Builders and Contractors (ABC) for "excellence" in construction for a hazardous abatement project, "excellence" in construction safety management, and "environmental consultant of the year." Recently we received the government's coveted "Hammer Award" given by Vice President Gore's office for support in streamlining government operations.

With corporate offices in Rockville, Maryland (close to the USACE Baltimore District headquarters) and branches in Manchester, Connecticut; Hoboken, New Jersey; Reading, Pennsylvania; Richmond, Virginia; Aiken, South Carolina; Des Moines, Iowa, Durham, North Carolina, Clifton Park, New York, Pittsburgh, Pennsylvania, Roanoke, Virginia, and Tulsa, Oklahoma; Apex can assure responsive coverage of the U.S. Environmental Protection Agency (EPA) Regions I, II, and III and close coordination with the Baltimore District.

Figure A-1
Project Organization Chart



A.2 Capability to Perform the Statement of Work

A.2.1 Tank Experience

The Construction Services Group at Apex is primarily dedicated to aboveground storage tank (AST) and underground storage tank (UST) removal, replacement, upgrades, and site investigation and remediation. From assessment to installation and retrofit, tank projects are supported by in-house personnel averaging 10 to 20 years' experience. Apex's tank experts have a proven track record on how to complete a job safely and on schedule. They include construction managers, superintendents, foremen, and crews; Certified Professional Geologists; Professional Engineers; Certified Industrial Hygienists; Certified Hazardous Materials Managers; Hazardous Waste Site Supervisors, Certified UST Installers and Inspectors; and Certified Subsurface Investigators and UST Closure Experts.

Apex's tank experience ranges from single sites with single to multiple tanks to large, widespread facilities with numerous tanks under fixed price and cost plus contracts. For all contracts, Apex's clients benefit from the use of in-house construction crews and project management, and an extensive network of experienced vendors.

Currently, Apex construction and field crews are performing the services listed in the statement of work on several tank sites worth noting: Washington Metropolitan Area Transit Authority (WMATA)- multiple sites with multiple tanks - site specific work plans - shoring - dewatering - demolition - contaminated soil and water; U.S. Postal Service - regional, delivery order contracts from New England to North Carolina - UST/AST tasks - contaminated soil and water; U.S. Air Force (Air Force One) - high security - operational during task - excavation and dewatering - contaminated soil and water - storm water drainage for hydrant fueling system; Potomac Electric Power Company (PEPCO) - multiple sites at operating power generating stations and substations - temporary fueling ASTs for emergency generators - no down time; U.S. General Services Administration - large government facility (DOE Headquarters) - emergency generators required to remain operational - temporary ASTs. These projects are managed by experienced and certified tank specialists using time-tested procedures to coordinate crews and equipment to accommodate time and cost constraints. Centralized cost accounting and labor controls for the entire company are in place at Apex's headquarters in Rockville, Maryland.

A.2.2 Experience with Government Contracts

Apex has worked for the USACE on a variety of environmental projects. They include soil gas surveys at seven military bases; UST closure and site remediation at Fort Lee; UST removals, site characterization, corrective action planning and remediation services for the Department of Defense (DOD), Real Estate and Facilities Directorate; oversight and health and safety monitoring of UST removals at Nike Missile facilities; asbestos and

lead paint surveys, assessments and abatement services at various installations in Maryland and Virginia; and environmental permitting for the Public Works Directorate at Fort Eustis, Virginia.

Other government project experience is highlighted by, but not limited to, risk assessments for the U.S. Department of Agriculture, technical and professional support to the U.S. Department of Energy (DOE), comprehensive environmental services for the U.S. Navy, National Institutes of Health (NIH), Smithsonian Institution, and U.S. Department of State (DOS), and site remediation for NASA at Wallops Island, Virginia.

Three large task order contracts illustrate Apex's experience with multiple task contracts that require quick turnaround and mobilization, detailed project tracking mechanisms, and streamlined cost accounting methods. Under a multi-year contract for the DOS, Apex has sent environmental, health and safety teams to over 100 countries worldwide, assembling teams of experts on site within 24 hours of notification. Apex has four U.S. Postal Service contracts from New England to North Carolina related to removing and replacing tanks. A program manager in Apex's Maryland office oversees these contracts; however, each regional office operates with relative autonomy on a day-to-day basis. A recently awarded $14.3 million DOE contract for environmental health and safety requires mobilization at DOE sites nationwide, but the contract is managed from Apex's headquarters in Maryland.

A.2.3 In-House Construction Division

Apex's in-house personnel and equipment offer the following services:

- UST/AST storage tank installation, retrofit, and removal;
- leak detection system installation for any product;
- mobile and stationary groundwater remediation system installation/operation;
- excavation and shoring;
- trenching for pipelines and slurry wall construction;
- reinforced concrete foundations, slabs, and retaining walls;
- pipe fitting in single and dual wall construction for steel, ductile iron, stainless steel, all polymer pipe (including fiberglass with all resins for chemical resistance), flexible pipe, composite, and concrete to meet any project requirement or need;
- heavy equipment operations;
- mobile laboratory;

- hydraulic probe for sampling/monitoring sparge/well point implant;
- electrical power and control wiring;
- utility tie-in work (e.g., electrical, gas, plumbing); and
- site restoration.

Apex operates a warehouse in Rockville, Maryland, where construction equipment and tank materials are stored and maintained. A full-time, dedicated warehouse manager tracks inventories; obtains, schedules, and issues materials and equipment; and maintains equipment. Apex also has contracts with several nationwide equipment rental companies. These contracts are managed from the warehouse so Apex projects are promptly and fully supported. Virtually any piece of equipment from cranes to excavators can be mobilized on site within 24 hours of request.

Apex has established and maintains accounts with hundreds of vendors throughout the northeast and mid-Atlantic. Our ongoing relationships and volume buying with these vendors promotes competitive pricing for both routine and special needs. For this proposal, selected vendors were contacted and are listed in Table A-1 (at the end of this section) to demonstrate coverage throughout the 13 subject states. This demonstrates Apex's ability to access certified contractors in every state in EPA Region I, II, and III, and encompasses a variety of skills and business types. As a small business under the relevant Standard Industrial Code (SIC) code, Apex intends to meet all small disadvantaged business (SDB) and woman-owned business (WOB) goals through the use of vendors/contractors from this list.

A.2.4 Quality Coverage of EPA Regions I, II, and III

Apex - Maryland. Apex's headquarters in Rockville, Maryland, supports more than 80 full-time professionals and administrative staff. A major percentage of its business deals with tank removal, installation, and upgrade, as well as remediation as a result of leaking USTs. A complete staff of highly qualified professionals and experienced construction personnel support these projects in the mid-Atlantic region. Two delivery order UST contracts for the U.S. Postal Service are managed from this office, along with major private sector contracts for schools and universities, industrial facilities, and state and local governments. Regulations and relevant reference materials reside have and are circulated electronically from this office. Construction capabilities located in Apex's headquarters are described above and encompass the personnel experience of many of the key individuals who will manage and work on this contract.

Apex - Connecticut. Key principals of Apex's Northeast regional office have spent their entire professional careers in the Northeast. This is particularly important because, in the last two years, well over 100 regulatory and statutory changes or proposed changes have been made to environmental laws in the Northeast. For example, Vermont is contemplating revisions to UST regulations involving contaminant criteria and contractor liability. The office has supported two major petroleum distributors in Connecticut for over three years with environmental site investigations, tank removals and replacements, cost reimbursements, and site remediation. They recently developed the template for a nationwide U.S. Postal Service tank management plan including expert review and interpretation of UST and AST regulations and an overhaul of regulatory components to reflect recent changes.

Apex - New Jersey. Apex's New Jersey office has delivery order contracts with the New York City Transit Authority, Metro-North, the U.S. Postal Service, and various private clients. For NYNEX, Apex removed and replaced numerous tanks and associated piping. Due to utility line locations adjacent to the tanks, detailed shoring designs were quickly created and implemented to ensure there would be no delays in construction or shutdown of the facility. Such projects require intimate knowledge of the area, the regulators, and vendors. For example, while ASTs are exempt from many UST regulatory requirements, local fire department offices usually require a thorough review of system installation plans prior to issuing a permit. Apex's New Jersey office excels in timely response and selection of the right vendors to get the job done and to obtain regulatory approvals without delays. On the basis of performance, Apex was awarded a contract with the U.S. Postal Service covering both central and northern New Jersey.

Apex - Pennsylvania. The Reading office was established to take advantage of the local and state experience of its managers. UST projects are a mainstay of the office, particularly for several large truck-leasing companies whose territory spans Pennsylvania and New Jersey. A recent contract award from the Pennsylvania Department of Transportation involves UST/AST sites and extensive site investigation support. Several certified UST installers and removers reside at this office. They support ongoing activities at a large Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) site involving extensive coordination with the state and EPA and several tank projects for private clients.

Apex - Virginia. Apex's Richmond office also reflects our determination to do business where we are strongly recognized by local and state regulators. The customer base for this office is primarily petroleum distributors, the U.S. Postal Service, and the National Park Service (NPS). As in the other regional offices, the Richmond office has full UST capabilities in house, including health and safety oversight and certified tank technicians. UST-related services comprise over 75 percent of the work performed out of this office. The Virginia Department of Environmental Quality (DEQ) regularly consults with the senior geologist in this office about the application of UST regulations.

A.3 Key Personnel and Support Staff

The Apex Team is fully qualified and experienced in all aspects of tank requirements for this contract. Because the goal of providing top quality service on time and within budget is best achieved with personnel experienced and knowledgeable of USACE procedures, Apex has designated a Project Manager known to the Baltimore District. Mr. Travis Black has over 10 years experience in construction and contracting with the USACE. He is licensed and certified by most tank manufacturers and is extremely well qualified by virtue of his experience and proven ability to manage field crews and professional personnel. For this project, Mr. Black will coordinate all work efforts and be the primary point of contact with the USACE. He will ensure that each task order is planned properly with the best resources to accomplish its objectives from the initial proposal and that every deliverable meets or exceeds contract specifications and passes the approval of federal, state, and local regulators. Mr. Black will assure that the project teams are well coordinated and that all requirements of each delivery order are satisfied.

T he Quality Control (QC) Officers are responsible for implementing effective quality control program guidelines including those on inspections, testing, administrative management, reporting, record keeping, and other tasks necessary to verify compliance with the quality control requirements of the plans and specifications. The QC Officer will work closely with all team members including the client to ensure success of the QC program. He will set guidelines and distribute copies of the QC program to team members and implement a program to make sure these guidelines are adhered to. They will enforce the QC program according to a three-phase process: preparatory, initial, and follow-up phase and direct the site QC officers in its implementation. The QC officers' goal is to provide all team members with a clear understanding of the QC program and enforce its implementation. While there, he was instrumental in developing several of the first "tank removal" bid documents for USACE. He has been managing tank programs for over 11 years, some over $15 million in value. He is a Program Manager at Apex with direct operational control of the Construction Services Group. Matthew Van Patten, PE, CHMM is knowledgeable in all aspects of construction engineering with an emphasis on environmental issues. He has first-hand experience in design and construction from conceptual submissions through final punch list. He specializes in tank issues and oversees the U.S. Postal Service tank contracts. For the USACE, Mr. Van Patten has participated in several value engineering evaluations of environmental restoration projects including the Southern Maryland Wood Treatment Project and Aberdeen Proving Ground's J-Field remediation. He has managed Navy construction projects at Superfund sites and is an active member of the American Society of Civil Engineers.

The Safety and Health Manager is a Certified Industrial Hygienist (CIH) responsible for the development, implementation, oversight, and enforcement of the Site Safety and Health Plan (SSHP). He will set up and, at every new major phase of a project, be present on site to direct safety operations. He will coordinate and modify

the SSHP with input from the site superintendent, the SSHO, and the contract officer. He will be in constant contact with the SSHO, will review all monitoring and written documentation, and will serve as a member of the quality control team. Mr. Peter M. Granholm, CIH, CHMM is a CIH with over 10 years of professional experience. He has written hundreds of safety and health plans and prepares training programs for both in-house and client personnel. Mr. Granholm has worked for major petroleum and chemical companies concentrating on reducing and managing the risks associated with worker exposures to petroleum and other hazards in the field.

The Site Safety and Health Officer (SSHO) will assist and represent the Safety and Health Manager in on-site training and the day-to-day on-site implementation, inspection, documentation, and enforcement of the SSHP. The SSHO will have the authority to ensure site compliance with EM385-1-1 and all other federal and local Occupational Safety and Health Administration (OSHA) regulations. If necessary, the SSHO will stop work if unacceptable health and safety conditions exist. The SSHO will serve as a member of the quality control team and conduct accident investigations and prepare accident reports.

Superintendents are responsible for directing the performance of fieldwork and inspecting and verifying that it complies with contract plans and specifications. The superintendent will maintain and coordinate crew schedules and equipment needs, and assist in ordering materials. The superintendent will report directly to the project manager and act as on-site contract QC manager on a daily basis. Superintendents will be selected on a case-by-case basis, depending on location and availability.

A.4 Project Management

Apex will have primary responsibility to the USACE Baltimore District, for the conduct of this contract. That responsibility extends to overall management, integration, and coordination of all project tasks, the subcontractors, and vendors.

Project Team. Apex recognizes the site-specific nature of tank projects and the skills required to successfully complete them on time and within budget. For a typical construction job, the project management team would consist of the project manager, a superintendent (also CQC), a SHSO, and administrative support.

All Apex resources are made available to the project management team to ensure effective project cost and schedule control and assure that the delivery order is successfully completed. This process is ensured through the following guidelines:

- Apex's project manager will have full authority to manage construction and site personnel.
- Special training or skill requirements are evaluated to ensure the safe and successful completion of the project.
- Required vendors are identified only for specialty construction areas or to implement a specific project objective.

Training. Apex has a comprehensive internal training program for all remediation managers and field employees and meets all requirements of 29 CFR 1910.120. Apex managers and site supervisors receive initial and refresher courses as appropriate in:

- Project Management Training,
- OSHA Eight Hour On-Site Management and Supervisors Training,
- OSHA 40-Hour Hazardous Material Site Worker Training,
- Confined Space Entry,
- Red Cross CPR Training, and
- Red Cross First Aid Training.

Delivery Order Implementation. For consistency and to assure a single point-of-contact, Apex's project manager will receive all delivery order requests and coordinate all responses to the USACE. He will designate the manager based on location, type, and complexity of the work. Together, they will review the project scope. The manager will make a site visit, develop a technical approach and define staffing, budgetary, and scheduling requirements. The project manager will negotiate the terms of the proposal with the USACE.

The project manager will assemble the project field team and develop a detailed work plan. The work plan will define the role of the designated staff (including subcontractors), technical assignments, level of effort, key milestones, reports, and deliverables. The project manager will measure and control day-to-day performance relative to the work plan and provide regular updates of expenditures, work, and schedule progress to the project manager and USACE, so overall project status is accessible.

Project Monitoring. Successful completion of any construction project requires comprehensive and effective design concepts, but is equally dependent upon careful execution in the field. Apex's construction services team is experienced and accustomed to meeting rigid, demanding construction schedules. They have received many customer commendations for meeting schedules, quality of effort, and creative solutions to problems encountered in the field.

Meeting project schedules requires a mutual understanding of the Scope of Work (SOW) and technical approach by the project team. Apex conducts in-house pre-construction meetings to solidify this understanding and "buy in" by the field crew before work starts. During the construction phase, there is close monitoring of the actual schedule versus the projected schedule on a daily basis so critical path items are not missed and schedule control is maintained. The project manager will maintain close coordination with client representatives to adjust deviations from the schedule and review options if field problems are identified. Apex uses Microsoft Project for scheduling.

Communication. Members of Apex's management and field crews enjoy excellent working relationships. We have learned that effective and constant communication is essential to project success. Project managers and field crews maintain constant communication with the project management team through two-way digital communicators, pagers, and cellular telephones that are constantly monitored.

Subcontractor Management. Specialty vendors were chosen based on their experience with the USACE, their ability to perform, and our previously successful working relationships. The Apex Team, however, will function seamlessly and subcontractor personnel will be fully integrated members of the contract team. Management control of the subcontractors and regional offices will occur at the project management level. At the delivery order level, the project manager will be responsible for the entire, integrated task team regardless of who provides the staff. Vendors will be responsible for providing all resources necessary to complete assigned work including staff, equipment, and facilities, and will be bound to specific work scopes through the use of subcontractor service order agreements that include the same terms of performance as Apex in accordance with this contract.

Table A-1
Selected Vendor List

Service	Vendor/Contractor/Contact	States Certified													
		MD	VA	DE	WVA	PA	DE	NJ	NY	CT	RI	MA	VT	NH	ME
Tank Contractor	1. Apex Environmental, Inc. Rockville, MD Travis Black and Jim Robinson, 301-417-0200	✓	✓	✓	✓	✓		✓							
	2. A&A Environmental, Inc. Linthicum Heights, MD Stuart Shorr, 800-404-8037						✓								
	3. Northland Petroleum Company Berry, VT Bob Star, 802-476-4900								✓					✓	
	4. ATC Associates East Hartford, CT Greg McIsaac, 717-840-4112									✓			✓		✓
	5. A-Team Petroleum, Inc. Cranston, RI Tony Adamo, 1-800-466-8265										✓	✓			
Tank Disposal Facility	6. Tri State Tank Salvage Chambersburg, PA Keith Sensenig, 717-369-4283	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soil Disposal Facility	7. Bardon, Inc. Greenbelt, MD Joe Redding, 301-982-1400	✓	✓	✓	✓										
	8. Allied Waste Services, Inc. Wyndmoor, PA Larry Caldwell, 1-800-851-4330					✓	✓	✓	✓	✓			✓	✓	✓
	9. A Team Petroleum, Inc. (See #5)										✓	✓			
Laboratory	10. Gascoyne Laboratories, Inc. Baltimore, MD Pam Wright, 410-633-1800	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Apexenvironmental, inc.

Service	Vendor/Contractor/Contact	States Certified													
		MD	VA	DE	WVA	PA	DE	NJ	NY	CT	RI	MA	VT	NH	ME
Pump-Out Facilities	11. A&A Environmental, Inc. (See #2)	✓	✓	✓	✓		✓								
	12. Allied Waste Services (See #8)					✓		✓	✓	✓			✓	✓	✓
	13. A Team Petroleum, Inc. (See #5)										✓	✓			
Electricians	14. Miller Environmental, Inc. Baltimore, MD Ken Miller, 410-747-3932	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
	15. A Team Petroleum, Inc. (See #5)										✓	✓			
Tank Testing Contractor	16. Tanknology Houston, TX Collin Ecker, 1-800-666-1215	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes: State Requirements:
MD - Certified Installers, Certified Removers, Company Licensed with State
DC - No Certification Required
VA - Company Licensed with State, Some County Licensing Required
WVA - Certified Installers
PA - Certified Inspectors, Certified Installers, Removals & Upgrades, Company Licensed with State
DE - Certified Retrofitters, Installers, Removers
NJ - Company Certified for Installation, Certified Installers
NY - IFCI Certification (effective *10/97. Some contractors are operating under a grandfather clause)
CT - Tank Removal Installation Contractor
RI - Residential Office in RI, Certified RI Pipe Fitter
MA - Removal and Installation Certification
VT - Licensed Site Assessment Contractor Required to Perform Tank Removals
NH - IFCI Certification (effective *10/97. Some contractors are operating under a grandfather clause)
ME - Certified Installers, Removers

PART B:TECHNICAL APPROACH

B.1 Scheduling and Operational Sequencing

B.1.1 Preliminary Planning

Processing of the delivery order will follow procedures outlined in Part C. In this case, the work will be performed by Apex's own construction forces and managed by Travis Black. Mr. James Robinson will supervise the project, with quality assurance and quality control provided by Joe Lockwood. This team will review all requirements of the delivery order including scope of work, schedule, and quantities of estimated items.

B.1.2 Site Visit

Apex will contact the USACE project manager to obtain a site contact and arrange a site visit. The project manager will coordinate scheduling of the site visit with all interested parties including, but not necessarily limited to, the USACE project manager and the site contact. The purpose of the site visit is to inspect site conditions, review the required scope of work, and begin to develop an approach. Site photographs will be taken to document existing site conditions. The project manager will verify the depths of burial to the top and bottom of each tank to the extent possible. Existing tanks will be stuck to identify product type and the volume of product and/or sludge in each tank will be measured. If monitoring wells are available, they will be measured for groundwater. Apex is responsible for removal and disposal of the tank contents. Apex will discuss any potential concerns with the project manager and site contact, and identify any site-specific logistical concerns (i.e., work hours, security, haul routes, staging areas, public relations, or any other sensitive issues).

B.1.3 Develop Approach/Cost Estimate

A technical approach incorporates clarifications of issues raised at the site visit. The project manager will prepare an overall approach and project schedule. The NJDEP UST Division requires a 30-day notification for UST removals. Apex will also obtain facility-specific digging permits and contact Miss Utility.

B.1.4 Staffing and Subcontracting

Apex's crew will consist of a foreman, a mechanic/equipment operator, and a laborer/helper. Typically, the crew is not assigned to the project until two to three weeks before fieldwork is to start. However, all crews are led by a superintendent certified by the state of New Jersey to remove and install USTs and have years of

experience performing petroleum tank work. Apex's superintendent will also serve as the Site Quality Control Officer. The following subcontractors/vendors would be USED for the identified specialty:

A&A Environmental, Inc. – Tank contents pumpout and disposal;
Sensenig Salvage – Tank cleaning, dismantling, and recycling;
Gascoyne Laboratories, Inc. – Laboratory analysis;
Bardon, Inc. – Transportation and disposal of petroleum contaminated soil;
Davis Crane – Crane rental service;
W.J. Davis Electrical – Electrical work;
Preston Hauling – Furnish clean fill;
Frederick Ward Associates, Inc. – Geotechnical testing.

B.2 Chemical Data Acquisition Plan Summary

An overall Chemical Data Acquisition Plan (CDAP) will be prepared and approved for use at all sites. An addendum will be issued to cover site-specific requirements for the sample delivery order. Apex envisions that soil, tank contents, groundwater, and air sampling will or may be necessary in completing the sample delivery order. Two types of data will be obtained, screening and laboratory analysis, as follows:

Screening Analyses:

- Soil: Soil screening will be performed to evaluate whether contamination exists that would require segregation and off-site disposal. In addition, state and federal regulations require that, during UST closure, a site assessment be performed and sampling be conducted in the areas most likely to reveal a leak should one have occurred. Soil will be screened via visual and olfactory observations as well as through the use of a PID. PID screening will be performed across UST removal excavations to assess where leakage may have occurred and where samples should be collected for laboratory analysis.

- Groundwater: It is anticipated that true groundwater will be encountered between 4 and 8 feet below ground surface. If any sheen or odors are detected or screening of soil indicates contaminated soil is in contact with groundwater, samples of the water will be collected and submitted for laboratory analysis.

- Air: Air will be screened with a PID and a combustible gas indicator (CGI) for health and safety monitoring of site workers. Specifically, air within workers breathing zones will be monitored as required in the SSHP to evaluate the potential need for respiratory protection. Also, a CGI will be used to monitor the tanks' atmosphere to ensure adequate inerting prior to removal. Also, the excavation will be monitored with a CGI to ensure that combustible vapors are not present during digging operations. If a confined space is encountered, an oxygen meter will be used.

All screening analyses will be recorded on daily field reports and in the bound project field logbook.

Laboratory analysis: Samples will be collected for soil and tank contents, and potentially for groundwater. All sampling will be performed in accordance with the approved CDAP and EPA SW-846 procedures. Each sample will be identified by a unique identification number, preserved, and shipped to the laboratory under strict chain of custody and within specified holding times.

Soil samples will be analyzed for total petroleum hydrocarbon (TPH) using EPA Method 8015-M. Also, prior to acceptance at Bardon, Inc., for soil treatment/recycling, the soil will be analyzed for percent moisture, pH, ignitability, and BTEX using EPA Method 8240. Tank contents will be analyzed for BTEX using EPA Method 8020. Groundwater, if encountered, will be analyzed for BTEX using EPA Method 8020.

B.3 Health and Safety Plan Summary

An overall health and safety plan applicable to petroleum storage tank removal and installation work will be prepared and submitted for approval. For each delivery order, a site-specific addendum will be prepared and submitted. The site-specific plan will include, but not be limited to:

- site description and contamination characterization;
- specific work tasks to be completed with a hazard analysis;
- work layout, staging, and decontamination;
- site contacts for security and emergency;
- spill prevention and contingency plan;
- location of nearest hospital or medical facility;
- required level of PPE;
- personnel monitoring plan with applicable action levels; and
- decontamination procedures.

Given the nature of the work and the potential contaminants being petroleum hydrocarbons, Apex envisions that all work will be conducted in Level D PPE. Prior to leaving each work area, personnel and equipment will be removed of gross debris using hand tools and brushes/brooms.

B.4 Technical Implementation

Work to complete each delivery order will be performed in accordance with contract specifications and as detailed in the work plan. The work will be coordinated between work areas and sequenced in a manner that will maximize efficiencies and minimize down times for crews and equipment. Following is a description of work items that will be conducted that are applicable to the entire project. Then, a specific description is provided for the work required at each tank area and is presented in the sequence in which Apex will perform the project.

Apex intends to mobilize to the site one time and complete all work without stoppage. Temporary fencing will be installed to secure the area. Heavy equipment will be brought in and taken off site as needed. Apex has established accounts with major suppliers of rental equipment. Virtually any piece of equipment necessary can be available, typically within 24 hours after request. This results in cost savings by not having idle equipment on the job.

Prior to starting work at any location, Apex will review work items with the site specific building contact (if any) to coordinate Apex's work with facility operations, identify utilities, and establish work zones including the requirements for signage, barricades, fencing, decontamination, and caution tape.

Although an Erosion and Sediment Control plan is not required to be submitted, Apex will implement appropriate control measures at each work area. These include installation of silt fences; installation of straw bales, filter fabric, and/or gravel at storm water inlets; and covering soil stockpiles with plastic sheeting.

B.5 Project Closeout

After work has been substantially completed at each work area, the Superintendent will conduct a walkover with the USACE project manager and facility contact to ensure that all items have been completed and work is accepted. Likewise, after completion of work at all areas, a second inspection will be conducted by the project manager to ensure total client satisfaction. Any items needing correcting or otherwise not completed to the satisfaction of the client will be addressed before demobilizing from the site. In addition, any start up and training will be conducted. All project closeout, items as required in the specifications and the delivery order (as described in the generic work plan), will be completed and submitted to USACE within two weeks of demobilization from the site. These include, but are not limited to:

- analytical data,
- inspection reports,
- site assessment/tank closure reports,
- waste manifests,
- photographs,
- equipment,
- daily reports/field test results,
- completed UST notification forms,
- tank cleaning/recycling certificates,
- record drawings,
- operation and maintenance manuals, and
- warranty information.

PART C: GENERAL WORK PLAN

C.1 Introduction

This section is a General Work Plan developed by Apex to complete the work encompassed by the statement of work for solicitation no. DACA31-98-R-0001. It will be used as a guide by all contractor employees and will apply to work at all sites.

C.1.1 Experience

Apex maintains a staff of construction personnel dedicated to work related to upgrading, removing, and replacing fueling systems. The senior construction management staff has many years of tank design and field experience. Construction staff is licensed by the states included in the contract to remove, replace, and upgrade fuel storage systems and are certified by the manufacturers of the tanks, ancillary equipment, and monitoring equipment as installers.

C.1.2 References

Apex maintains a library consisting of various publications for reference. Many of these publications are related to the upgrade, removal, or replacement of fueling vessels. These publications and bulletins are used daily by Apex personnel for reference, to clarify issues, and the industry standards contained therein are followed in the course of performing work. A summary of the references available at Apex includes, but is not limited to, documents published by:

- American Petroleum Institute
- American Society for Testing and Materials
- American Society of Civil Engineers
- Code of Federal Regulations
- Environmental Protection Agency
- Uniform Building Codes
- National Association of Corrosion Engineers
- National Electrical Code
- National Fire Protection Agency
- Petroleum Equipment Institute
- State Regulations
- Steel Tank Institute
- Underwriter Laboratories
- U.S. Army Corps of Engineer Documents
- EM-385-1-1 Safety and Health Requirements Manual
- EM-200-1-3 Requirements for the Preparation of Sampling and Analysis Plan

C.2 Project Staffing

Apex's overall corporate/project organization, including definition of roles and responsibilities and key personnel, is provided in the Corporate Capability section (Part A). However, each delivery order will be staffed to accommodate the size, complexity, and schedule of that order.

The project manager will be selected based on proximity to the work site, and knowledge and familiarity with the local regulations, vendors, and subcontractors. The project manager will assign necessary staff and select appropriate vendors from Apex's pre-qualified list.

The project manager and project quality assurance officer will ensure that project personnel comply with federal, state, and local requirements, as well as USACE specifications and policy.

Apex anticipates performing the work using in-house resources coupled with vendors for specialty scopes. Specifically, it is anticipated that vendors will perform:

- product transfer and removal/disposal of residual product,
- transportation and certified disposal of tanks,
- transportation and disposal of contaminated soil (if necessary),
- electrical work,
- laboratory analysis,
- transportation and disposal of non-contaminated wastes, and
- miscellaneous subcontractors (e.g., crane, trucking, materials, welding.

Apex maintains a staff of several construction crews, each consisting of a superintendent, an operator, and laborer. Each crew is assigned to a particular service truck that contains the necessary equipment and tools to conduct tank upgrade and replacement work as well as remediation projects. The superintendents are all certified in various states to remove, install, and/or upgrade tanks. Additionally, they are certified by numerous manufacturers for installation of tanks, components, and piping. Apex also maintains personnel certified to install, start-up, and troubleshoot tank monitoring equipment.

Apex will use subcontractors to provide support to accommodate increased work loads, cover geographic areas where Apex does not hold current applicable contractor certifications, or provide the USACE with a better overall value and/or responsiveness.

C.3 Equipment

Apex maintains a full complement of tools and equipment necessary to complete tank removal, installation, and upgrade work. This includes, but is not limited to, service vehicles stocked with parts and hand tools, compressors, pumps, threaders, saws, generators, lights, personnel protective gear, and monitoring equipment. In addition, Apex has negotiated a national account with Hertz Equipment Rental and a regional account with Sunbelt Rental that provides priority access to virtually any piece of heavy equipment, crane, or power tool within the contract area within 24 hours. This helps provide Apex a unique ability to be responsive and cost effective over a wide geographic area.

The following equipment typically will be used during tank removal and installation projects.

- hydraulic excavator,
- air compressors,
- concrete saws,
- power threader,
- skidsteer,
- generators,
- monitoring equipment,
- personal protective equipment.
- service truck,
- plate compactors,
- backhoes,
- cranes,
- concrete/asphalt saw,
- hand tools,
- geophysical equipment, and

Any unique equipment necessary to complete a delivery order will be called out in the site-specific work plan.

C.4 Work Sequence

C.4.1 General

The SOW at each location could include the removal, replacement, and/or upgrade of existing tanks and appurtenances. A typical tank removal project will be completed within 90 days from receipt of notice to proceed. New installations can take up to 12 to 15 weeks because of the lead time required to get the new system approved, ordered, manufactured, and delivered to the site. A site-specific work plan and schedule will be submitted as an amendment to this document for each delivery order detailing all salient work tasks and milestones.

Successful projects start with good up-front planning and preparation. These activities begin when a delivery order request is received. When a work order request is received, the USACE's project manager will assign a project manager. The project manager will coordinate with the USACE project manager and site contact to schedule a site visit. During the site visit, the scope of work will be reviewed and clarified. If there are any

variances agreed to during the site visit from that which was provided in the written scope provided, it will be documented and submitted in writing to the USACE project manager. If necessary, tank contents will be sampled for disposal characterization during the site visit.

C.4.1.1 Site Visit

Particular attention will be paid to existing job conditions during the site visit to allow for proper costing and scheduling of the work. In particular, Apex's project manager will review the following items with facility personnel or obtain the following information.

- Layout of work areas
- Availability of utilities
- Gauge wells to determine groundwater depths
- Pictures of pre-existing conditions
- Overhead restrictions
- Service shutdown requirements
- Safety, security, traffic, and parking requirements
- Protection of personnel and government property
- Review of site operations
- Review of existing subsurface logs
- Necessary utility interruptions
- "Stick" tanks to determine fuel levels
- Location of utilities
- Facility permit requirements
- Facility regulations for construction work
- Maintenance of access and utilities
- Working hours and restrictions

If the site is in a location where Apex has not previously worked, the project manager will identify local suppliers of backfill, concrete, asphalt, trucking, and other necessary supplies or services and determine their cost effectiveness versus known suppliers. Likewise, the project manager will visit local and county offices to verify permitting requirements and identify emergency response capabilities (i.e., police, fire department, and hospital).

C.4.1.2 Construction Schedule

Along with the project costing, and as a necessary component of deriving a cost, a detailed construction schedule will be prepared. The schedule will provide a breakdown of tasks and subtasks to be competed on a daily basis. The schedule will be a network analysis type and will show the critical path of work and critical task items and milestones that need to be completed in order to achieve the work schedule. Schedules will be developed using Microsoft Project or Primavera.

C.4.1.3 Site-Specific Work Plan

Following submission of the project cost proposal and schedule, a site-specific work plan will be developed. The site-specific plan will include a site-specific health, safety, and emergency response plan, a chemical data acquisition plan; and specific work procedure and layout plans. Concurrent with preparation of the

site-specific work plan, Apex will make appropriate notifications to state and local regulators and obtain necessary permits, including any necessary base permits and security clearances. These items will be performed while the cost proposal and schedule are being reviewed and negotiated so that, upon approval, work can be initiated promptly.

C.4.1.4 Subcontractors

Upon receipt of a final delivery order, Apex will finalize vendor service order agreements and issue purchase orders. A list of all construction personnel, including vendors and subcontractors, will be submitted to USACE for approval. Product submittal information, including cut sheets and shop drawings, will be assembled and submitted. Apex will conduct an "in-house" preconstruction meeting with the project manager, site superintendent, SSHO, and the quality control manager to ensure that all aspects of the project are fully understood by the project team and all items are in place to enable the project to progress smoothly and without delay.

C.4.1.5 Preconstruction Activities

The installation environmental coordinator will be notified 10 days prior to starting work at the facility. Before proceeding to actual construction, the local on-call utility locating service will be notified, a site preconstruction meeting will be conducted, and health and safety training will be completed. During the pre-construction meeting, salient work items will be reviewed and final construction activities will be coordinated with facility operations.

C.4.2 Tank Removal - USTs and ASTs

C.4.2.1 Site Preparation

After receipt of a delivery order, and when all preparation and planning activities are complete, a crew will be dispatched to the site on the scheduled start date. Necessary equipment will be mobilized and coordinated to arrive on site at the scheduled start date. The crew superintendent will check in with the facility contact upon arrival at the site to introduce himself and his crew, and verify activities to be conducted. He will ensure that no unplanned base operations are being conducted that would interfere with the work and that Apex is still cleared to proceed with the work.

The first activities to be completed will be a pre-construction meeting with the client and health and safety training for all site personnel. Before work is initiated, the crew will identify the limits of work, establish work zones, and install appropriate safety fencing, temporary chain link fencing, barricades, and signage. Work zones will be clearly demarcated, and areas for staging and stockpiling contaminated and non-contaminated soil will be identified.

An equipment decontamination area will be set up. At both the soil stockpiling areas and the equipment decontamination areas, necessary geomembranes will be placed. Decontamination areas shall provide for containment and collection of rinseates.

Erosion and sediment controls will be established at each work and stockpile area, and also at storm water inlets to prevent runoff from entering the excavation and eliminate sediments from accumulating in catch basins.

C.4.2.2 Product Transfer, Storage, Removal, and Disposal

If the tank removal is being performed in conjunction with the installation of a new tank, or temporary fuel storage is otherwise required, a temporary AST will be installed and piped. Following installation of the temporary AST, fuel will be transferred to the extent that the temporary tank can accommodate what is remaining in the tank to be removed. Portable, explosion-proof, pneumatic transfer pumps will be used for smaller volumes and pumper trucks will be used to transfer larger volumes of fuel.

For sites where tank work is being completed and temporary tanks are not required, the facility will be contacted to determine if it can use, store, or dispose of the usable fuel or wastes. If the facility is unable to do this, the contractor will store or dispose of the waste by other means.

Following the set up of a temporary tank and transfer of product, accessible lines will be drained back to the tank and valved off or otherwise taken out of service to the extent possible. For underground tanks, an initial excavation will be performed to fully locate the tank and uncover the top of the tank and manholes to allow access to the tank. At this point, all remaining tank contents will be removed from the tank using a pump truck. The vacuum truck will be grounded and situated upwind from the tank and outside the path of probable vapor travel. The vacuum pump exhaust gases shall be discharged downwind of the truck and the tank area. Any useable product will be transferred to another location on site if one exists and to the extent tank ullage will accommodate. Otherwise, residual product, sludge, and water will be characterized and taken offsite to a permitted facility for disposal and/or recycling.

C.4.2.3 Tank Inerting

Tanks will be properly inerted before tank excavation and removal is performed. Tank inerting will be performed through the introduction of an inert gas into the tank, such as carbon dioxide or nitrogen. Typically, Apex will use crushed dry ice at a minimum rate of 1.5 pounds per 100 gallons of tank capacity evenly distributed across the tank. If dry ice is not available, Apex will use bottled nitrogen. When using compressed nitrogen gas bottles, specific procedures must be followed to prevent build up of a static charge including:

- bonding the tank and the compressed gas supply together and grounding,
- introducing the compressed gas at low flows to prevent pressure build up in the tank from exceeding 5 psig, and
- releasing the gas at the bottom of the tank.

During inerting procedures, a vent extension is required a minimum of 12 feet above grade or 2 feet above any adjacent roof line, whichever is greater. Typically, the existing tank vents will be used if practicable, otherwise a vent will be installed. All other tank openings, besides that which is being used to introduce the inert gas, will be closed or plugged.

Continuous combustible gas and oxygen monitoring will be performed during venting to ensure the safety of workers and that a hazardous build up of petroleum vapors does not occur. The tank's atmosphere will be monitored for oxygen levels to verify that tank inerting is successful. A PID will also be used to monitor for volatile compounds. Specifically, the tank will be considered inert when the oxygen levels are less than 8 percent. Monitoring will be performed at least hourly during tank removal activities to ensure that this level is maintained or to determine if additional inert gas needs to be introduced. The use of a combustible gas indicator in the atmosphere of the tank will not be allowed since, without sufficient oxygen, the combustible gas indicator readings are erroneous. However, a combustible gas indicator will be used within and around the tank excavation to monitor for potential explosive conditions.

C.4.2.4 Tank Excavation and Removal

Personnel are not required to enter tank removal excavations, except to access the top of the tank, which is typically less than four feet below grade; therefore, there is minimum danger of entrapment or engulfment of employees. The stability of adjacent structures and/or subsurface utilities, however, must be considered. Also, the depth to groundwater and its effect on the overall stability of the excavation must be considered. During the preparation and planning phase of the project, the need for an excavation protective system will be evaluated and implemented to ensure the protection of adjacent structures, utilities, and site personnel. Any required protective

system, either a sloping or benching system or a support system, will be installed in accordance with 29 CFR Part 1926, Subpart P.

If excavation dewatering is necessary, only that necessary to assure adequate access to the tank and piping and a safe excavation will be performed. All liquids will be containerized on site and analyzed prior to disposal. Contaminated water will be treated in accordance with local regulatory requirements.

Soil will be excavated from around the tank only to the extent necessary to free the tank for removal. It will be excavated in a manner that will limit the amount of potentially contaminated soil that could mix with previously uncontaminated soil. During excavation, soil will be screened for the presence of contamination through visual and olfactory observation, as well as through measurements with a direct-reading organic vapor analyzer. If contaminated soils are encountered, they will be stockpiled in the pre-designated location on a geomembrane of at least 30 mils in thickness. Contaminated soil stockpiles will be covered with a geomembrane of at least 10 mils in thickness. Any evidence of contamination that is encountered will be immediately reported to the contracting officer. Uncontaminated soil will be stockpiled separately from contaminated soil at a safe distance from the excavation. Uncontaminated soil will be used as backfill in the tank excavation prior to using borrow material.

When a tank is fully excavated and ready for removal, it will be visually inspected for evidence of structural weakness. If evidence of structural weakness is observed, a plan will be submitted to the contracting officer for tank removal that will prevent further damage and contamination. The tank will not be removed until the plan is approved. If no evidence of structural weakness is observed, the tank will be lifted using chains or cables and lifting eyes, or straps under the ends of the tank. For smaller tanks, the on-site excavation equipment will be used to lift the tanks if lifting capacity is adequate. Otherwise, a crane of the appropriate size to handle the tank weight and boom distance from the tank to the crane positioning location will be used. Upon removal, the tank will be placed on a geomembrane of at least 30 mils in thickness and secured with wood blocks to prevent rolling. The geomembrane will be bermed to prevent migration of any residual tank contents.

C.4.2.5 Tank Cleaning

Soil adhered to the exterior of the tank will be removed with non-sparking tools to eliminate soil deposition on roadways during transportation to the tank cleaning and dismantling location and to ensure markings will adhere to the tank surface. If the soil is not contaminated, it will be added to the uncontaminated soil stockpile. If it is contaminated, it will be added to the contaminated soil stockpile.

Any residual free liquids will be recovered using the vacuum pump truck and/or wiped with sorbent pads. Prior to removing the tanks from the site, all holes will be plugged or capped. One tank fitting plug will have a one-eighth-inch vent hole to prevent the tank from being subjected to an excessive pressure differential caused by extreme temperature changes. Unless state or local regulations dictate otherwise, Apex will transport the tank to a permitted off-site facility for final cleaning, dismantling, and recycling. Tank piping and ancillary equipment removed in conjunction with the tank will be sent with the tank for cleaning and salvage.

The tank interior will be cleaned using a high pressure, low volume water spray and/or squeegee until all loose scale and residue is removed and no sheen is visible in the rinseate. Cleaning will be accomplished in a manner to eliminate the need for confined space entry into the tank. Cutting and dismantling of the tank will be accomplished using non-sparking equipment. After final cleaning, the tank will be recycled at an approved facility. Manifests and certificates of recycling will be provided for each tank removed.

C.4.2.6 Site Assessment

An assessment will be conducted of the excavation or area below the tank after the tank has been removed. The assessment includes field screening of soils and collection of soil samples as required by state regulations. The state inspector will be requested to be present to witness the location of samples or indicate that sampling is not required due to no contamination. Sampling and analytical requirements are discussed in Section C.8, Chemical Data Acquisition.

C.4.2.7 Backfilling and Site Restoration

After the site assessment has been completed, the state representative has reviewed the site, sample results have been received, and the contracting officer has given approval, the excavation or areas disturbed during UST removals will be backfilled. Backfilling will be completed within 48 hours of receipt of analytical results. Excavations will be dewatered, if necessary, to provide a stable base to begin backfilling. Stockpiled, uncontaminated soil will be used first for backfill. Soil will be placed in lifts not to exceed eight inches and compacted using a sheep's foot or vibratory plate attachment to the backhoe or excavator to eliminate the need for personnel to enter the excavation. Compaction tests will be completed after backfilling has reached a limit that allows for safe entrance into the excavation based on soil type and excavation sloping (or if shoring is in place). Compaction testing will be conducted by an experienced geotechnical professional in accordance with the contract specifications and the delivery order requirements.

Following backfilling, the site will be restored to conditions equivalent to or better than those prior to start of construction. Restoration will be performed as detailed in the delivery order and could include final grading, asphalt or concrete paving, and placement of seed or sod.

C.4.2.8 Decontamination

Any equipment that comes into contact with contaminated soil will undergo decontamination. This will be primarily the excavating equipment and truck hauling soil. Gross debris will be removed from equipment before leaving the immediate tank removal area (exclusion zone). The vehicles will then enter the contamination reduction zone where a wash station with a high pressure, low volume water spray will be used to remove any remaining soil and debris. Rinseate from the vehicle wash will be containerized and characterized for eventual off- site disposal in accordance with environmental regulations.

C.4.2.9 Tank Closure Report

Within 14 days of completing site work, a closure report will be prepared to provide comprehensive documentation of all tank closure activities. A summary of information to be included in the Tank Closure Report is located in Section C.7, Project Closeout.

C.4.3 Tank Installation/Upgrade

Apex will use experienced crews to remove, install, or upgrade tanks. Apex's personnel or subcontractors are licensed to install tanks in all states where work will be completed. In addition, Apex's personnel or subcontractors will have current certifications from tank and piping manufacturers on the proper installation of their products.

All new tank installation and upgrades will comply with the contract specifications, EPA, or state requirements, whichever is most stringent. The tank installers are also familiar with and follow applicable regulatory guidelines including, but not limited to, NFPA 30, 30A, 31, 327, and 329; API Publications 2015, 2217A, 2219, 1604, and 2003; PEI Publication RP 100-90; state and manufacturer requirements; and health and safety guidelines included in the Health and Safety Plan and EM-385-1-1.

It is critical that all manufacturer installation requirements be followed so that the tank is upgraded or installed without damage, will pass tank tightness tests, meets state regulatory requirements, and warranty will be valid.

During installation of new tanks, the certified tank installer will fill out the appropriate manufacturer's installation checklist, as well as the checklist required by the state agency (e.g., Checklist MDE 238 New Tank Installation in the State of Maryland).

C.4.3.1 Tank Delivery

New underground tanks delivered to the site will be carefully off loaded from the delivery truck by lifting them by the lift lugs on the tank. Delivery of the new USTs will be coordinated so that they can be placed directly into the prepared tank excavation after inspection activities are complete.

New ASTs will be removed from the delivery truck and placed directly on a new concrete foundation that has cured.

C.4.3.2 Pre-Installation Testing

All new USTs delivered for installation will be double-walled with a brine-filled interstitial space from the manufacturer. Testing will include:

- Exterior Tank Inspection. Inspect the exterior of the tank for leaks by looking for colored streaks. The streaks are caused by a leaking brine solution which has a colored tracer in it. Lift tank by lifting lugs to inspect the bottom of the tank. No one will be allowed to stand directly beneath the tank.

- Reservoir Level Check. Remove the four-inch plug from the reservoir fitting and inspect the reservoir for monitoring tracer fluid. Also, check to see whether the reservoir is empty.

- Primary Tank Pressure Test (Both USTs and ASTs). Install a pressure relief valve at the primary tank fitting and pressurize the tank to 5 per square inch (psi) or as recommended by the manufacturer. Tighten all tank fittings prior to pressurizing the tank. Apply soapy water to all tank fittings and manways and check for air leaks via bubbles. If bubbles are present, tighten plugs and/or bolts and retest the tank. Monitor the air gauge for a minimum of one hour to make sure the air pressure is maintained. Release pressure from the primary tank, remove the primary tank fitting plug, and look inside the tank for any accumulation of monitoring tracer fluid (if applicable).

C.4.3.3 Prepping Excavation

During or prior to testing activities, the excavation area for new USTs will be made ready to accept the tank. The excavation will be sized in accordance with manufacturer instructions based on the site characteristics of the soil. At a minimum, the sidewalls of the excavation will be 24 inches away from the sides and ends of the tank. Filter fabric will be installed in all excavations where tanks will be placed in soils to prevent the integration of pea gravel with native soils and help stabilize the soils.

C.4.3.4 Burial Depth and Cover

A minimum of 12 inches of bedding material will be placed beneath the tank over a concrete hold down slab or between deadmen anchoring devices.

Backfill over the tank will be determined by the type of final ground cover, the diameter of the tank, and the anticipated loads over the tank. Manufacturer's instructions will be consulted prior to preparing the excavation to determine the tank depth needed based on the site conditions.

C.4.3.5 Anchoring of Tank

Underground tanks will be mechanically anchored using deadman, providing a concrete slab above and/or below the tank, or by burying the tank at a depth indicated by the manufacturer. Should deadmen or below grade slabs be used, the tanks will be secured using manufacturer-approved hold down straps placed at the appropriate rib locations on the tank. The tank will be checked for deflection by measuring the tank diameter before and after snugging the straps, if the tank deflects, loosen, and retighten the straps.

Aboveground tanks will be anchored to concrete foundations to prevent movement.

C.4.3.6 Tank Installation Checklist

The following will be completed for USTs after the pre-installation requirements are complete.

- Install concrete hold down slab or deadmen (if required).
- Install filter fabric.
- Install a minimum of 12 inches of approved bedding material such as pea gravel.
- Set tank directly on bedding material.
- Secure hold down straps.
- Backfill the first 12 inches evenly around the tank. Use a long handled probe to push backfill completely beneath the tank bottom, between all ribs, and at the end of the tank.
- Install a second 12-inch lift of backfill evenly spread around the tank.
- Install the remaining backfill to the top of the tank.

- Install product and vent lines sloped a minimum of one-eighth-inch per foot back towards the tank or as specified in the governing state regulations. The vent lines shall stop a minimum of two feet above the roofline of the building or 12 feet above current grade. All below grade piping will be covered with a minimum of 18 inches of cover and placed on a minimum of six inches of bedding material.
- Install sumps, electrical, monitoring equipment, and other necessary items by the contract specifications.
- Complete necessary line tests and inspections (i.e., electrical).
- Backfill after inspections are complete.
- Fill the tank and conduct a precision test of the tank system.
- Start the system and provide training to facility personnel.
- Submit closure documentation.

New ASTs will be placed directly on a new concrete foundation.

C.4.3.7 Installation of Remaining Equipment

New or existing tanks will have new equipment installed to bring them into compliance with governing regulations. The new equipment and monitoring systems will provide leak detection, corrosion protection, and spill and overfill prevention.

Leak detection systems will be installed that can provide monthly monitoring of the tank system, a means of inventory control, interstitial monitoring, monitor sump sensors, and continuous alarm system notification. All sensors installed will discriminate between water and product. Line leak detectors will be installed on all below grade product lines or a means of monitoring the interstitial space between the primary and secondary lines will be provided. New or existing pressurized pipe will require automatic flow restrictors or shutoff devices. Corrosion protection will be provided by installing new non-metallic tanks and lines.

Spill and overfill prevention will be provided by installing catch basins, overfill alarms, vent extractors, and/or fill tubes with overfill prevention valves. Other means of spill protection including sumps and sensors, sheer valves at dispensers, emergency electrical shut-off switches, emergency breakaway couplings at dispenser hoses, observation wells, secondary piping systems, and sloping fuel lines back towards the tanks, will be provided.

Other components of the tanks and fueling systems will be sized based on the actual field conditions and user requirements. Particular tank equipment requirements will comply with the contract documents and user requirements.

C.4.3.8 Final Systems Tests

Final tests will be conducted on all new or upgraded tanks and lines at the completion of the work.

- Pneumatic Tests of Fuel and Vent Lines. Pneumatic testing of primary and secondary fuel lines and vent lines will be completed before the lines are covered. The lines will be pressurized in accordance with manufacturer instructions and the pressure maintained for a minimum of two hours. In addition, all fittings will be covered with a soapy solution and observed for leaks.

- Hydrostatic Tests of Fuel Lines. Hydrostatic tests are required for all product piping after acceptable pneumatic tests and the lines are backfilled. Testing shall be in accordance with manufacturer instructions and API RP 1110, with no leakage for four hours.

- Precision and Pressure Tests. Tanks will be pressure tested for two hours after they are secured in the excavation and backfill is placed to the top of the tank. A precision test of the tank and piping system will be conducted after all backfill and site restoration work, such as placing concrete, is complete, the tank has been filled to 65 percent of total capacity, and the results of all other tests are satisfactory. Testing will not begin until the fuel in the tank has been in the tank for a minimum of 24 hours to allow the temperature to stabilize. The precision test will be for the complete system of tank and piping. The tanks will be installed such that, if the system test fails, the lines will be able to be isolated from the tank so that both can be tested independently. The system will be corrected and retested if it fails the precision test. Final precision test results will be supplied to the client upon completion.

- System Performance Tests. System performance tests will also be conducted to demonstrate that the system meets the performance requirements for which it was designed. These shall include:

  - fuel flow capacities verified,
  - proper working of emergency stop push buttons,
  - alarm and control panels are operational,
  - fuel meters operate accurately
  - vapor recovery systems perform as designed,
  - day tank assemblies function as designed, and
  - vent piping is clear of debris and valves are operating properly.

- Dispensing Unit Flushing. One hundred gallons of fuel will be pumped through dispensers at the system's maximum design flow rate and sampled for inspection by the contracting officer. This will continue until the fuel being delivered is acceptable to the contracting officer.

C.5 Materials Handling for Contaminated Soil and Water

While this section addresses handling of contaminated soil and groundwater in conjunction with UST removals or releases from ASTs, it is understood that other hazards may be encountered that will need to be evaluated on a case-by-case basis.

C.5.1 Excavation and Disposal of Contaminated Soil

During site grading and excavation activities, Apex will coordinate with the contracting officer to determine if excavated soils contain petroleum hydrocarbons. When contaminated soil is identified based on field screening data, the soil, as directed by the contacting officer, will be loaded directly into dump trucks or stockpiled on plastic, covered, and bermed. The excavated areas will not be backfilled until approval is received by USACE and state regulatory officials. All contaminated soils will be sent to a disposal facility for treatment unless specified otherwise in the site-specific plan.

C.5.2 Removal of Contaminated Groundwater and/or Free Product

Contaminated groundwater may be encountered during the project. However, contaminated water will not be removed until approval from the USACE is received. Once approval is received, recovery operations will be initiated as soon as possible.

For small quantities of materials, the liquids will be removed using a combination of a vacuum truck, pumping into drums, pumping into a tanker, or pumping into a fixed tank. For larger quantities of liquid, Apex will submit a site-specific plan for approval to remove and treat the liquid. Apex can, if requested, deliver and set up a mobile treatment unit capable of separating free product and reducing dissolved phase contaminants to required levels at a maximum discharge of 30 gallons per minute (gpm). The unit includes pumps, oil/water separation, a product holding tank, an air diffuser, and carbon canisters (as necessary) to remove dissolved phase petroleum hydrocarbons. The site-specific plan will indicate how the effluent will be discharged based on the site conditions and location. The product holding tank will be emptied as necessary using vacuum trucks and product will be disposed off site. The mobile units are particularly useful to support excavation dewatering when contamination is present and to quickly initiate interim corrective actions when free product is encountered.

C.5.3 Reporting

Apex will maintain daily reports summarizing all field activities accomplished each day. These will include daily work reports, monitoring logs for health and safety, photograph logs, and soil screening results. Further, shipping/receipt manifests and weight tickets will be maintained for each load of material delivered or removed from the site. If treatment of contaminated wastes is necessary, a certificate of destruction will be issued by the treatment facility. Likewise, all contaminated liquids removed from the site will be manifested and a certificate of destruction issued verifying proper treatment/disposal.

C.6 Safety

C.6.1 Personnel Safety

In accordance with 29 CFR 1910.120, a hazardous materials site supervisor or site safety and health manager will be designated to oversee the petroleum-contaminated soil and water removal. The SSHO will be either an industrial hygienist or a properly trained safety officer who will have the authority to suspend operations if deviations from proper practices or regulations are observed and permit work to begin again when the situation is corrected. The SSHO will ensure that all work is performed in strict compliance with the SSHP.

C.6.2 Hazardous Waste and Other Site Hazards

It is understood that the scope of this project is to remove, replace, and/or upgrade USTs and ASTs at DOD facilities. As such, the primary hazardous substances of concern will be petroleum hydrocarbons. However, it is also understood that, at such facilities, there is the potential for other hazardous substances to be encountered including hazardous waste, polychlorinated biphenyls (PCBs), asbestos, unexploded ordinance and munitions, and chemical agents. As a full-service environmental consulting and contracting firm, Apex has extensive experience in dealing with these other hazards. Field staff are trained in the recognition of hazards when unexpected conditions are encountered. In such an event, Apex staff will stop work, the contracting officer will be notified, and the unexpected conditions will be evaluated to determine the actual hazard presented and alternative plans, if necessary to address the hazard. Any hazardous waste encountered will be handled in accordance with the RCRA. PCBs and asbestos will be handled in accordance with the Toxic Substance Control Act.

C.7 Project Closeout

When all site work is complete, Apex's site superintendent will review all activities and walk the project area with the site contact to ensure USACE is satisfied and all work items are acceptable. If any items are not completed, they will be immediately addressed or a specific time will be given when the item will be addressed if for any reason it cannot be accomplished at that time (e.g., a part is on order or weather conditions preclude 100 percent site restoration until a later date).

Apex will demobilize and leave the site in a clean and orderly appearance equal to or better than it was when we arrived.

Apex will compile record documents as the work progresses and maintain a copy of these documents as part of the quality control program. At the conclusion of the work, Apex will submit closure documentation to the client and facility for review and approval. Typically, the closure documentation will consist of, but not be limited to, the following information as applicable:

- a summary of the work completed,
- daily reports compiled by the site superintendent,
- daily quality control reports,
- photographs detailing the work as it progresses and actual locations of underground utilities,
- copies of permits,
- disposal certificates for all materials disposed,
- notifications to applicable agencies,
- as-built drawings,
- results of all tests conducted,
- copies of tank registration or change in service forms,
- operation and maintenance manuals,
- manufacturer information on equipment installed,
- warranties,
- safety and health phase out report, and
- tank closure report*.

An independent closure report will be compiled for each tank that is taken out of service. At a minimum, the tank closure report will contain a narrative detailing what was encountered at each site that includes, but is not limited to, the following information:

- a cover letter signed by a professional engineer registered in the state of the tank removal certifying the work was performed in accordance with the terms and conditions of the contract specification;
- indication of the condition of the UST and if any leaks were encountered;
- results of vapor monitoring readings;
- copies of all analytical results and chain-of-custody records including an explanation of the sampling locations;
- reasons for backfilling the site;
- an indication of whether groundwater was encountered;
- date of tank removal and closure;

- transport manifests and disposal certification for all wastes encountered;
- scaled, one-line CADD drawings showing tank locations, limits of excavation, limits of contamination, sample locations and identification, and underground utilities within 50 feet;
- tank registration or change in service forms;
- copies of inspection and testing reports;
- copies of daily reports detailing contractor and subcontractors that worked on the site;
- list of all contractors and subcontractors (including a description of services and current address and phone numbers);
- a record of conversations and correspondence between Apex and facility personnel or regulators that pertains to the tank for which the closure report is being prepared;
- an original signed certificate of tank cleaning and disposal; and
- progress photographs depicting site conditions before, during, and after construction and documenting all salient items of work.

Upon submittal and acceptance of closure documentation, Apex will submit a final invoice for all work completed less the value of any outstanding items that could not be competed until a later date for reasons beyond Apex's control, if any. A schedule will also be provided for when any outstanding items will be completed.

C.8 Chemical Data Acquisition

During the course of performance of this contract, chemical data will be obtained through on-site screening and actual collection and laboratory analysis of media samples. All sample collection and analysis will be performed in accordance with state-specific regulations, EPA document SW-846, and USACE document EM-200-1-3.

C.8.1 Screening Analysis

Screening analysis will be performed of soil, groundwater, and air using visual and olfactory observations and direct-reading instruments. Direct-reading instruments that will typically be employed are a PID and a CGI. Both instruments are vapor analyzers and will be used to monitor levels of hydrocarbons in air for worker health and safety, as well as to assess tank excavations for the presence of petroleum contamination. A CGI will be used in conjunction with an oxygen meter to monitor for potentially explosive conditions in tank excavations or inside tanks being removed. The PID will be used to monitor workers' breathing zones and ensure worker exposure to

hydrocarbon fumes does not exceed the established action level. In addition, soil samples will be collected and screened for the presence of contamination using a field headspace technique with the PID. The field headspace technique is performed by partially filling a resealable plastic bag with a sample of soil, allowing the sample to sit in the sealed bag for approximately five minutes, and then inserting the PID probe tip into the headspace of the bag and recording the highest reading obtained. Direct-reading, field screening instruments to be used will be calibrated daily according to the manufacturer's instructions.

During any excavation activities, site workers will also observe the soils for unusual odors or staining/discoloration that may be indicative of petroleum or other contamination. Should any evidence of petroleum contamination be encountered, the contracting officer will be notified immediately, and it will be field screened and sampled for laboratory analysis in accordance with the site-specific plan. Should there be any indication of contamination other than petroleum hydrocarbons, work will immediately cease and the contracting officer will be notified. No further work will be performed until the nature of the contamination can be adequately characterized and a revised plan can be formulated as appropriate.

C.8.2 Laboratory Analysis

It is envisioned that laboratory chemical data will be obtained for UST closure, removal of tank contents, and spills associated with leakage from ASTs. Constituents of concern primarily will be petroleum hydrocarbons; however, other parameters may need to be evaluated on a case-by-case basis.

During UST removal, chemical data acquisition will be required at the following stages:

- tank contents verification sampling,
- when contaminated soil is encountered,
- when contaminated groundwater is encountered,
- for site assessment purposes as required by state and federal regulations, and
- for disposal characterization of decontamination fluids.

Prior to performing any delivery order work, a general CDAP will be prepared and submitted for approval. The CDAP will detail the data quality objectives, sample collection procedures, field screening analysis procedures, laboratory analytical procedures, and quality control/quality assurance procedures. For each UST removal delivery order, a site-specific plan will be prepared and submitted that will detail specific sampling points, rationale for selection of these sites, specific number and type of quality control samples to be collected, and specific packaging and chain-of-custody procedures. All laboratory analyses will be performed by a laboratory validated by the USACE. All laboratory analyses will be performed in strict accordance with EPA SW-846, applicable state requirements, and the requirements of the contract specifications and delivery orders.

Prior to removing a an UST, the tank contents will need to be characterized if there is any doubt as to what the tank contents are or if there is the possibility that other hazardous substances besides fuel could be in the tank. Specific analyses to be performed could include:

- product identification,
- percent water and percent solids,
- TPH using EPA Method 8015-modified), and
- BTEX using EPA Method 8020.

If screening via visual, olfactory, or organic vapor analyzer indicates the presence of contaminated soil, the soil will need to be stockpiled and tested for the level of TPH and BTEX contamination to determine appropriate disposition. Soil that has been segregated and stockpiled as contaminated based on field screening will have a composite sample collected for analysis. The composite sample will be collected by taking three grab samples from random locations within the stockpile and compositing them into a single sample. If the soil is determined to be contaminated at a level that requires off-site disposal (based on state regulations and delivery order requirements), the soil will need to undergo additional characterization to determine acceptability at a permitted treatment facility. These analyses can be performed from the same composite sample and typically can include the following analyses in addition to the TPH and BTEX already performed:

- percent moisture, pH, and ignitability,
- reactivity,
- RCRA heavy metals using TCLP EPA Method 1311, and
- PCBs using EPA Method 8080.

If groundwater is encountered in the excavation and there is any evidence of contamination, it too will need to be sampled and analyzed. The analysis could be necessary for site assessment purposes and/or to determine the need for treatment if excavation dewatering is required. Analysis for TPH and BTEX will be performed.

State and federal regulations both require that a site assessment be performed during UST closure (i.e., removal or abandonment in place). The purpose of the site assessment is to test for the presence of contamination in the areas most likely to be contaminated should a release have occurred. The requirements of the state and the delivery order will dictate the number of samples to be collected and the analytical methods to be used. Typically, testing for TPH and BTEX are performed on grab samples of soil under and/or around the tank and pipes.

Finally, all collected decontamination fluids will be containerized and require chemical characterization before appropriate disposal can be arranged. As such, decontamination fluids may require sampling and analysis to be performed. Alternatively, the results of other soil and/or groundwater analyses could be used to adequately characterize the decontamination fluids.

If a release from an AST has occurred, a site assessment and characterization of the horizontal and vertical extent of contamination will need to be performed. The types of analyses needed would be the same as those described above. The exact number would be determined on a case-by-case basis.

C.8.3 Quality Assurance/Quality Control

All samples collected for laboratory analysis will be given a unique identification number, preserved, and shipped to the laboratory under strict chain of custody. Samples shall be received at the laboratory within 48 hours of sample collection. Unless timing is critical or in addition to the samples discussed above, QA/QC samples will be collected. These may include:

- Field duplicate QC samples: 10 percent of the total samples will be collected as splits/duplicates and submitted to the laboratory without its knowledge of the sample being a duplicate. These samples will be a measure of the laboratory's precision or repeatability of their analytical procedures.
- Field duplicate QA samples: 10 percent of the samples (in addition to the QC duplicates above) will be collected as split/duplicates and submitted to the USACE QA lab as an external check on the accuracy of the laboratory analysis.
- Trip Blanks: one sample per shipment shall be sent for volatile organic compound (VOC) analysis using EPA Method 8240 as a measure of introduced contamination through sample handling.
- Equipment rinseates: When using any reusable sampling equipment that is required to undergo decontamination, equipment rinseate samples will be collected to assess the potential for introducing contamination through the use of the sampling tools. Rinseate samples are collected by pouring deionized water over the sampling equipment and collecting that water for VOC analysis. One equipment rinseate per day per matrix type will be collected.

C.9 Safety, Health, and Emergency Response Plan Summary

Work under this contract could potentially cause workers to come into contact with hazardous substances, particularly petroleum hydrocarbons associated with motor fuels (e.g., gasoline, diesel, and aviation fuels), heating oil, and lube and waste oils. Leakage or spillage of these products could constitute an uncontrolled release of hazardous substances, which would be regulated by OSHA under 29 CFR Part 1910. As such, it is recognized that an overall safety, health and emergency response plan (SHERP) applicable to the work under this contract must be prepared and that, for each delivery order, a site-specific SHERP is necessary. Following is a

description of the requirements of the overall SHERP that will be submitted for approval prior to starting any site work. This SHERP will be prepared in accordance with OSHA regulations and USACE document EM-385-1-1.

C.9.1 Roles and Responsibilities

An overall safety and health organization will be developed for this contract with specific roles and responsibilities for all those involved. This will include, but not be limited to, the health and safety manager and all personnel involved in any delivery order. The health and safety manager (Apex's corporate health and safety officer), who is a CIH, will be responsible for approving the plan and making any necessary modifications should unexpected conditions arise. All personnel involved in the project will be required to read and understand the plan and sign the plan attesting to such. Training will be provided to all personnel prior to starting any work and site-specific training will be conducted on site before the start of each delivery order. In addition, daily "tailgate" safety meetings will be conducted by the SSHO.

C.9.2 Medical Monitoring

All personnel who will be on site and potentially exposed to hazardous substances will undergo medical monitoring in accordance with OSHA requirements. Likewise, these personnel will receive training in accordance with the requirements of 29 CFR 1910.120. At least two people working on site will be certified in first aid and CPR.

C.9.3 Task Hazard Evaluation and Monitoring

A job hazard analysis for tasks to be performed under this contract will be completed. This will include an assessment of potential chemical as well as physical hazards. Based on the identified hazards, engineering and procedural controls will be implemented to minimize the risk posed by each hazard. In addition, a monitoring program will be implemented to ensure chemical exposure of workers does not occur and hazardous atmospheres are not present.

C.9.4 Personal Protective Equipment

The primary hazardous constituents of concern are petroleum hydrocarbons and their associated VOCs. Based on the types of contaminants typically encountered during petroleum storage tank work, it is envisioned that the majority of work will be performed in Level D PPE. There is the potential for upgrading to Level C PPE should significant contamination exist particularly for the more volatile fuels such as gasoline and aviation fuels. Following is a description of the PPE requirements for Level D and C.

Level D PPE
- Coveralls/work clothes
- Work gloves (optional)
- Hard hat
- Safety glasses (as appropriate)
- Ear protection

Level C PPE
- All items in Level D
- Disposable chemical resistant overalls
- Work boots with steel toes and shanks
- Full-face or half-face air purifying respirator with organic vapor cartridges
- Chemical resistant outer boots and gloves

A "modified" Level D may be used if a splash or skin contact hazard does not exist and only a hazardous atmosphere of known contaminants (i.e., petroleum hydrocarbons) exists. Modified Level D will consist of all items in Level D and only the respiratory protection from Level C. Should any unexpected hazards be encountered other than petroleum hydrocarbons, a revised health and safety plan will be prepared to include updated hazard evaluation and potentially upgraded PPE.

C.9.5 Emergency and Spill Response Plan

Off-site emergency support personnel will ultimately handle on-site emergencies. Initial response and first-aid treatment, however, will be available on site.

In case of a hazardous materials emergency, the SSHO will assume full control and direction of the emergency response as the incident commander. The incident commander will work with the project manager and health and safety officer to identify and evaluate hazards. All emergency responders and communications will be coordinated and controlled through the incident commander. The incident commander shall relinquish site control to the appropriate emergency response coordinator during an emergency when the emergency response coordinator arrives at the site.

C.9.5.1 Emergency Equipment

Emergency equipment maintained at the site will include: one 20-pound multi-purpose (ABC) fire extinguisher, an adequately stocked first-aid kit including an emergency eye wash station with adequate supplies of back-up water to provide a 15-minute eye wash, two 55-gallon drums, spill pillows, and emergency siren or horn.

C.9.5.2 Pre-Emergency Planning

Prior to the start of work, Apex will contact local authorities to inform them of the start date and anticipated scope of work. First-aid kits and Apex employees trained in first aid and CPR will be on site at all times during all work activities.

C.9.5.3 Emergency Recognition and Prevention

Emergency conditions that may be anticipated at the site include:

- medical emergency,
- heavy equipment accident,
- spills of UST contents onto the ground surrounding the pit,
- fires/explosions due to vapors,
- overexposure of personnel to on-site contaminants,
- heat or cold stress,
- electrical injuries,
- confined space entry, and
- excavation instability.

To ensure that hazard recognition and accident prevention protocols are being maintained, personnel must follow the requirements of the safety and health plan. **The buddy system must be followed at all times.**

C.9.5.4 Operations Shutdown

Operations shutdown may be mandated by the SSHO or the project manager. Conditions warranting work stoppage will include:

- uncontrolled fire,
- uncovering potentially dangerous buried material,
- any condition immediately dangerous to life and health or the environment,
- heat or cold stress illness exhibited by the crew,
- air contaminant concentrations in excess of the protection factors afforded by the respirators in use, or
- work area PID monitoring readings in exceedance of guidelines set forth in the SSHP.

When any of these conditions exist, operations will be stopped and the site secured. All personnel will leave the work area until the incident commander has determined that operations may resume.

C.9.5.5 Fire and Explosion Response Procedures

Natural events, work activities, or the activities of others may start fires on site. A multipurpose (ABC) fire extinguisher will be on hand at all times. Personnel will be instructed in the use of these fire extinguishers prior to starting work and will use them only to attempt to control very small fires. Apex will inform the local fire district immediately in case of any fire when its support is required.

C.9.5.6 Evacuation from Work Zones

If an on-site emergency occurs, the site superintendent or another able-bodied individual will sound the site emergency alarm. All workers will meet at a predesignated area. This area will be made known to employees prior to the initiation of activities in each site area. An employee head count will be performed by the foreman or other able-bodied individual to ensure that all workers are accounted for.

In case of emergency, evacuated employees may be decontaminated rapidly by removing exterior clothing. If a worker is critically injured in the work zone, the worker may be removed immediately from the area – DO NOT take time to decontaminate a critically injured worker; seek medical attention immediately.

C.9.5.7 Report Incidents

All personnel must immediately report accidents, injuries, illnesses, and near-miss incidents, whether or not they are job-related, to the site superintendent. The site superintendent must rapidly assess the situation, call for local emergency assistance, and prevent further injury. As soon as possible (but within the same day), the site superintendent must investigate the incident, complete an Accident Investigation Report, and report to the project manager, the corporate health and safety officer, and the contracting officer.

Apex will report incidents to local, state, and federal agencies in accordance with applicable regulations.

C.9.5.8 Emergency Medical Treatment and First Aid

Apex employees trained in first aid and CPR will be on site at all times. Only minor injuries will be treated on site with the first-aid kit.

For major injuries contact 911. The telephone number (911) should be used for hospital and ambulance emergencies. The fire department also can be reached by calling 911.

The project leader must ensure that he/she knows the route to the nearest hospital. If any worker is overcome by vapors or becomes otherwise ill or injured, he/she should be moved to a location with fresh air after ensuring that movement will not worsen injuries. Emergency medical assistance must be sought immediately. If breathing has stopped, artificial respiration should be given by trained personnel.

C.9.5.9 Spill Response

There is the possibility that, as an UST is removed from a pit, residue may leak onto clean soil surrounding the pit. To prevent contamination, where the tank will be placed outside the pit will be lined with plastic and bermed. Spill pillows and absorbent material will be on hand to contain any contaminated liquid that may leak. In the event of spills, the site superintendent will direct cleanup operations, which will take place immediately. The site superintendent is responsible for reporting spills to the corporate emergency response coordinator and the project manager.

If major spills have occurred in soils surrounding tanks, appropriate USACE personnel and the project manager must be notified immediately. The USACE personnel may then be required to inform local environmental or fire officials, who may require isolation and special handling/disposal of the contaminated materials.

C.10 Contractor Quality Control

The following information summarizes the contractor's quality control program that will be developed under the contract. The information is presented as a guide for implementing an effective program of inspections, testing, administration, management, reporting, record keeping, and other tasks necessary to verify compliance with the requirements of the contract plans and specifications.

Apex's site superintendent will be responsible for managing the quality control program at each site. He will monitor the work to produce an end product that complies with the contract requirements. He will work closely with the subcontractors, project manager, and client to ensure success of the quality control program. All team members, including subcontractors and material suppliers, will receive copies of, and abide by the quality control plan.

A summary of the responsibilities of the quality control team is as follows:

- Inform all subcontractors, suppliers, and/or vendors of the quality control requirements of the contract.
- Obtain, review, certify, and approve test reports, certificates, shop drawings, and other contract-required documentation.
- Retain testing laboratories and consulting engineers as required to assist in the review of submittals.
- Ensure all materials purchased and delivered to the site are as specified in the contract documents and approved in the submittals.

- Ensure all reports, certifications, and other documents are forwarded to the appropriate governing agencies.
- Inspect the work performed as it proceeds for compliance with the contract requirements.
- Document and issue stop work orders for defective work and provide documentation of corrective action requirements and those taken.
- Recommend removal of any subcontractor or individual that does not conform with the quality control program requirements.
- Perform, supervise, or coordinate as required, the reviews, inspections, and follow-up of all tests to be conducted.
- Ensure the maintenance of the as-built drawings.
- Generate inspection and testing recording procedures and results.
- Submit the results of these tests to the client.
- Prepare and submit operation and maintenance manuals.
- Prepare and submit final record documents.
- Coordinate the execution and submittal of progress photographs.

The quality control program will be implemented in a three-phase process consisting of the preparatory phase, initial phase, and follow-up phase.

C.10.1 Preparatory Phase

Before beginning work at the site, the quality control team will review the contract requirements and submittals and ensure that all materials and equipment are readily available at the site and inspected for compliance with the approved submittals. Also, the QC team will:

- review any previous work conducted to assure it complies with the contract requirements and is complete.
- review the methods needed to perform the work and make sure the crews planned to work at the site are skilled in the necessary trades.
- review all testing and subcontracting requirements and make sure all subcontracting and vendor contracts have been issued.
- coordinate approximate dates testing requirements are needed with the applicable subcontractors.
- review appropriate hazard analysis to assure safety requirements are met.

- collect any necessary samples before work begins.
- review the plan of work including proposed equipment and performance requirements, schedule, personnel, subcontractors, and other definable features of the work with facility personnel to clearly communicate the contract and contractor requirements.

As part of this phase, the quality control manager will also establish the necessary forms and paperwork that will be filled out daily at each site. These forms will include, but not be limited to, daily quality control reports; testing schedules reviewing the type of test, responsibility, and testing frequency; submittal logs; daily inspection reports; deficiency reports and corrective actions taken; test results; and a review of the work completed each day.

The quality control team will notify the government at least 72 hours in advance of the preparatory phase and will attend a meeting attended by key personnel to review the quality control plan requirements required by this contract. The results of this meeting will be forwarded to the USACE.

C.10.2 Initial Phase

The initial phase consists of inspections of work as it begins for compliance with the contract requirements. Any deficiencies are noted and corrected before work can be continued. The quality control manager will verify that all testing and inspection requirements required by the contract are being implemented. Dimensions, as detailed on the drawings, are reviewed and checked for conformance. Levels of workmanship will be established. Review of safety requirements with the SSHO will be conducted to ensure conformance with the health and safety plan and activity hazards analysis.

Requirements of the initial phase will be implemented for each new crew or definable feature of work.

C.10.3 Follow-up Phase

The follow-up phase includes daily inspections of the work as it progresses. These inspections assure that the quality of the work remains at expected levels and that noted deficiencies have been corrected. A review of all testing requirements is also conducted to make sure testing requirements, as detailed on the testing schedule, are met.

C.10.4 Documentation

Daily records will be kept of all operations, activities, and tests performed as part of the quality control program. These records will include but not be limited to:

- personnel, subcontractors, equipment, and materials on site or used;
- work conducted each day and deficiencies noted;
- testing and results;
- job safety evaluations
- review of materials for conformance with submittals; and
- identification of instructions given or conflicts noted in the plans, weather conditions, delays encountered, and other pertinent information.

Daily records will be submitted to the USACE at the end of each workday. A full set of quality control records will also be compiled and submitted to the USACE after work associated with a particular delivery order is complete.

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certifies That

APEX ENVIRONMENTAL, INC.
15850 CRABBS BRANCH WAY
ROCKVILLE , MD 20855

having duly met the requirements of the

Underground Storage Tank Certification Program
N.J.S.A. 58:10A-24.1-8

is hereby approved to perform the following services:

CLOSURE
SUBSURFACE

US00428
PERMANENT CERTIFICATION NUMBER

08/31/01
EXPIRATION DATE

ASSISTANT COMMISSIONER, DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO BE CONSPICUOUSLY DISPLAYED AT THE FACILITY

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY): 6/13/00

PRODUCER
Riggs, Counselman, Michaels & Downes, Inc.
555 Fairmount Avenue
Baltimore, MD 21286
410-339-7263

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED
Apex Environmental
15850 Crabbs Branch Way
Rockville MD 20855

INSURER A:	Reliance National
INSURER B:	ECS Underwriting
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
B	GENERAL LIABILITY	GEC0003316	6/09/00	6/09/01	EACH OCCURRENCE	$ 1000000
	X COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any one fire)	$ 300000
	CLAIMS MADE X OCCUR				MED EXP (Any one person)	$ 5000
					PERSONAL & ADV INJURY	$ 1000000
					GENERAL AGGREGATE	$ 2000000
	GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	$ 2000000
	POLICY PRO-JECT X LOC					
B	AUTOMOBILE LIABILITY	AEC0003317	6/09/00	6/09/01	COMBINED SINGLE LIMIT (Ea accident)	$ 1000000
	X ANY AUTO				BODILY INJURY (Per person)	$
	ALL OWNED AUTOS				BODILY INJURY (Per accident)	$
	SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	$
	X HIRED AUTOS					
	X NON-OWNED AUTOS					
					AUTO ONLY - EA ACCIDENT	$
	GARAGE LIABILITY				OTHER THAN AUTO ONLY: EA ACC	$
	ANY AUTO				AGG	$
B	EXCESS LIABILITY	UEC0003319	6/09/00	6/09/01	EACH OCCURRENCE	$ 5000000
	OCCUR CLAIMS MADE				AGGREGATE	$ 5000000
						$
	DEDUCTIBLE					$
	X RETENTION $ 10000					$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	WEC0003320	6/09/00	6/09/01	X WC STATUTORY LIMITS OTH-ER	
					E.L. EACH ACCIDENT	$ 500000
					E.L. DISEASE - EA EMPLOYEE	$ 500000
					E.L. DISEASE - POLICY LIMIT	$ 500000
A	OTHER PROFESSIONAL POLLUTION LIAB.	NTF251254403 (CLAIMS-MADE)	11/29/98	11/29/01	$5,000,000 EA CLAIM $5,000,000 AGGREGATE	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

FOR BID/INFORMATION PURPOSES

CERTIFICATE HOLDER — ADDITIONAL INSURED: INSURER LETTER: ____

FOR BID/INFORMATION PURPOSES ONLY

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

COPY

UST-013 02/95

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF FIELD OPERATIONS
401 EAST STATE STREET
P.O. Box 435
TRENTON, NEW JERSEY 08625

UNDERGROUND STORAGE TANK CLOSURE PLAN APPROVAL APPLICATION

Pursuant to the Underground Storage of Hazardous Substances Act, N.J.A.C. 7:14B-9 et seq.and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E et. seq.

This application form shall be used by all applicants planning to close Underground Storage Tank Systems pursuant to N.J.A.C. 7:14B-9 et seq.

INSTRUCTIONS

XBefore completing this application please refer to the attached Application Instruction sheet.

☐ **Please print legibly in ink or type.** Fill in all appropriate blanks. Incomplete applications will be returned without being processed. This application form requires that additional sheets be attached for some of the information requested. You may call 609/984-3156 for assistance.

☐ Return one original of this form (including attachments) to the address above. You must sign all forms as required and attach a check for the proper fee (see the fee schedule on Page 3).

☐ **If the subject facility is not registered the Closure Plan will not be processed.**

FACILITY REGISTRATION # 0119923

If this application is a resubmission due to a deficiency, enter assigned TMS # N/A

Is this facility currently subject to ISRA? YES____ NO X If YES enter ISRA case # _____

Is this submittal in response to a discharge? YES ____ NO X If YES enter Incident # _____

I. FACILITY INFORMATION

A. FACILITY NAME Military Ocean Terminal, Bayonne, N.J.

FACILITY STREET ADDRESS – US Rt. 169 South, Bldg 82/1

MUNICIPALITY Bayonne County Hudson

TELEPHONE NUMBER (201) 823-6535

B. OWNER'S NAME MR. MIRZA. BAIG, BASE ENVIRONMENTAL COORDINATOR

OWNER'S MAILING ADDRESS Motby, Bldg 82, Bayonne Ocean Terminal

CITY Bayonne STATE N.J. ZIP 07022

If facility is not registered, enter date registration questionnaire was submitted N/A

II. CHECK PROPOSED ACTIVITY

XX 1. Closure of Underground Storage Tank System

If UST system is to be closed, refer to Section III of this application for submittal requirements.

NOTE: Within 120 days of the closure or of the date a discharge has been detected, a site investigation or a remedial action report must be submitted to the Department. A $500 fee for review of the site investigation report or $1,000 for a remedial investigation report is due when the appropriate report is submitted.

_____ 2. Temporary Closure

Indicate which situation applies and attach appropriate documentation.

a. _____ Requesting temporary closure for 12 months or less subject to requirements of N.J.A.C. 7:14B-9.1(a).

b. _____ Requesting an extension of temporary closure for more than 12 months per N.J.A.C. 7:14B-9.1(b). A Site investigation must be performed in accordance with N.J.A.C. 7:26E and results submitted to the Department.

NOTE: A completed UST Facility Questionnaire form must be submitted to the Bureau of Applicability and Compliance, Registration and Billing Section, indicating temporary closure of the tank(s). NO fee is required for temporary closure. A $500 fee for review of the site investigation report or $1,000 fee for a remedial investigation report is due when the appropriate report is submitted.

_____ 3. Change in Service

Attach documentation that the tank system being changed from the storage of a regulated to a non-regulated substance has been emptied and cleaned and that a site investigation has been performed, as required by N.J.A.C. 7:14B-9.1(e) and N.J.A.C. 7:26E-3.9(a)3. (A site investigation is not required when one regulated substance is replaced by another regulated substance.) Additionally, a completed Facility Questionnaire form indicating a change in service must be submitted to the Bureau of Applicability and Compliance, Registration and Billing Section.

III. UST REMOVAL OR ABANDONMENT

A. Complete the following information concerning UST system to be removed or abandoned. Check here if additional page(s) are attached. X1 of 2

Number of Tanks	Length of appurtenant piping (ft)	Tank Capacity (gallons)	SUBSTANCE Stored*	Closure Type (circle one)
E036	75'	2500	Unleaded Gasoline	REMOVAL / ABANDONMENT
E037	75'	2500	Unleaded/Gasoline	REMOVAL / ABANDONMENT
E038	75'	2500	Unledded/Gasline	REMOVAL / ABANDONMENT
E049	10'	50	oil/water residue	REMOVAL / ABANDONMENT
E050	10'	50	oil/water residue	REMOVAL / ABANDONMENT

*** if material is not a petroleum product, use chemical name and CAS number to identify tank's content. (Brand or trade names are unacceptable.)**

B. SITE INVESTIGATION / REMEDIAL INVESTIGATION (SI/RI) PLAN

Attach the following information for UST closure, as required by N.J.A.C. 7:14B-9.2 or 9.2(b):

a. Implementation schedule;
b. A scaled site map clearly identifying the UST system location(s) scheduled for closure; and

Check Correct Response:

XX — SI/RI will be performed in accordance with N.J.A.C. 7:26E, the Technical Requirements for Site Remediation. **(Do not submit additional SI/RI information.)**

____ A variance from N.J.A.C. 7:26E is being requested. In accordance with N.J.A.C. 7:26E-1.6(d), an alternate SI/RI plan is attached for review.

C. DECOMMISSIONING PLAN (Circle correct response)

(YES) NO Will the UST decommissioning conform with N.J.A.C. 7:26E-6.3(b); the New Jersey Uniform Construction Code (N.J.A.C. 5:23) and the current American Petroleum Institute's guidance? **(If NO is circled, state reason for variance and submit proposed plan on an attached page.)**

III. UST REMOVAL OR ABANDONMENT

A. Complete the following information concerning UST system to be removed or abandoned. Check here if additional page(s) are attached. X 2 of 2

Number of Tanks	Length of appurtenant piping (ft)	Tank Capacity (gallons)	SUBSTANCE Stored*	Closure Type (circle one)
2051	10'	50	oil/water residue	REMOVAL / ABANDONMENT
M039	20'	1000	Lt. Diesel	REMOVAL / ABANDONMENT
M043	40'	2500	Lt. Diesel	REMOVAL / ABANDONMENT
				REMOVAL / ABANDONMENT
				REMOVAL / ABANDONMENT

* if material is not a petroleum product, use chemical name and CAS number to identify tank's content. (Brand or trade names are unacceptable.)

B. SITE INVESTIGATION / REMEDIAL INVESTIGATION (SI/RI) PLAN

Attach the following information for UST closure, as required by N.J.A.C. 7:14B-9.2 or 9.2(b):

a. Implementation schedule;
b. A scaled site map clearly identifying the UST system location(s) scheduled for closure; and

Check Correct Response:

XX SI/RI will be performed in accordance with N.J.A.C. 7:26E, the Technical Requirements for Site Remediation. **(Do not submit additional SI/RI information.)**

____ A variance from N.J.A.C. 7:26E is being requested. In accordance with N.J.A.C. 7:26E-1.6(d), an alternate SI/RI plan is attached for review.

C. DECOMMISSIONING PLAN (Circle correct response)

YES NO Will the UST decommissioning conform with N.J.A.C. 7:26E-6.3(b); the New Jersey Uniform Construction Code (N.J.A.C. 5:23) and the current American Petroleum Institute's guidance? **(If NO is circled, state reason for variance and submit proposed plan on an attached page.)**

D. CERTIFICATIONS REQUIRED BY N.J.S.A 58:10A-24

Indicate below name and firm performing UST service:

1. FOR UST CLOSURE (PHYSICAL REMOVAL OR ABANDONMENT) ACTIVITIES.

Name of Individual Micheal Raffoni CERTIFICATION # 0015682

Name of Certified Firm Apex Environmental, Inc. 15850 Crabbs Branch Way, Rockville, Md 20855 CERTIFICATION # Us00428

2. FOR SUBSURFACE (SITE INVESTIGATION, CORRECTIVE ACTION ETC.) ACTIVITIES.

Name of Individual Joe Lockwood CERTIFICATION # 0015199

Name of Certified Firm Apex Environmental, Inc. 15850 Crabbs Branch Way, Rockville, Md 20855 CERTIFICATION # Us00428

NOTE: The UNDERGROUND STORAGE TANK SERVICES CERTIFICATION ACT, N.J.S.A. 58:10A-24.1 et seq., requires that any services performed on an UST system for the purposes of complying with P.L.1986, c.102 must be performed by, or under the immediate on-site supervision of, a person certified by the Department for that service. The certified person providing that service must be employed by a business that is also certified by the Department for that service.

E. COMMENTS

_____

_____

_____

_____

IV. FEE SCHEDULE

Check the activities below that apply, enter the appropriate fee and submit that amount with this application. Make checks payable to Treasurer, State of New Jersey.

1. UST Permanent Closure (tanks and/or piping - fee encompasses all removal or abandonment activities listed in this application)	$300.00 =	300.00
2. Change in service from a regulated substance to a non-regulated substance	$300.000 =	_____
3. Change in service from one regulated substance to another regulated substance.	NO FEE	
4. Temporary closure or extension of temporary closure request	NO FEE	

V. APPLICATION REVIEW AND ISSUANCE OF CLOSURE APPROVAL

The Department will review the closure plan for completeness and appropriateness as specified in Subchapter 9 of the UST regulations and the Technical Requirements of Site Remediation, N.J.A.C. 7:26E. Plan approval will indicate that the owner or operator may proceed with the closure. All appropriate and applicable permits, licenses and certificates required for any of the above activities issued by any local, state and/or federal agencies must be obtained separately from this application.

VI. MAILING ADDRESS AND SIGNATURE

List the person and the address the closure approval should be mailed to:

Name MR. MIRZA BAIG, FACILITY MANAGER

Company MILITARY OCEAN TERMINAL, BAYONNE YARD (MOTBY

Address BLDG 82 TOC, FLOOR 1

City BAYONNE State N.J ZIP 07002

PHONE NUMBER (201) 823-6535

SIGNATURE OF CONTACT PERSON

This application form must be signed by the owner or operator of the subject facility.

NAME(print or type) MR. MIRZA BAIG SIGNATURE _____

TITLE FACILITY MANAGER DATE 7/12/06

PHONE NUMBER (201) 823-6535

UNDERGROUND STORAGE TANK SYSTEM
CLOSURE APPROVAL

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF FIELD OPERATIONS
P.O. Box 28, TRENTON, NJ 08625-0028

TMS # C00-0655 **UST #** 0119928

MILITARY OCEAN TERMINAL

US 169 SOUTH, BLDG. 82/1
BAYONNE

HUDSON COUNTY

THE ABOVE LISTED FACILITY IS HEREBY GRANTED APPROVAL TO PERFORM THE FOLLOWING ACTIVITY IN ACCORDANCE WITH N.J.A.C. 7:14b-1 et. seq:

REMOVAL OF: three-2,500 gallon unleaded gasoline UST, three-50 gallon oil/water residue USTs, one-1,000 gallon light diesel UST, one-2,500 gallon light diesel UST and appurtenant piping.

SITE ASSESSMENT: Conduct a site investigation for the UST(s) and appurtenant piping specified above, according to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E, EFFECTIVE JULY 1st, 1997.

The management of any excavated soils must follow the requirements listed in the Attachment enclosed within.

Note: The UNDERGROUND STORAGE TANK SERVICES CERTIFICATION ACT, N.J.S.A. 58:10A-24, requires all services performed on an UST system for the purpose of complying with P.L.1986, c.102 to be performed by or under the immediate on-site supervision of a person certified by the Department for that service. The certified person providing that service must be employed by a business that is also certified by the Department for that service.

CONTACT PERSON: MIRZA BAIG

TELEPHONE: 201-823-6535

EFFECTIVE DATE: 07/13/00

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTIONS AT ALL TIMES.

Gregory Cunningham for
Joshua Gradwohl, SUPERVISOR
BUREAU OF FIELD OPERATIONS

Apex environmental, inc.

15850 Crabbs Branch Wa
Suite 200
Rockville, MD 20855
Telephone 301-417-0200
Facsimile 301-975-0169

CHEMICAL QUALITY MANAGEMENT PLAN
AND
SAMPLING PLAN

for

Underground Storage Tank, Aboveground Storage Tank
And Oil/Water Separator Removal
Military Ocean Terminal

Apex Job No.: 10352.013

June 2000

Prepared for:

ATTN: Mr. Ronald D. Connetta
Contracting Officer's Representative
Metro West Resident Office
Building 408, Ft. Hamilton
Brooklyn, NY 11252

Prepared by:

Travis M. Black
Project Manager/Environmental Specialist
Remediation Services

Reviewed by:

James L. Robinson
Program Manager
Remediation Services

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Attachment 1 Gascoyne Laboratories, Inc., USACE Validation

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1.0 INTRODUCTION

This Chemical Quality Management and Sampling Plan (CQMSP) has been prepared by Apex Environmental, Inc. (Apex) for the work to be completed at the Military Ocean Terminal of Bayonne. Its purpose is to define requirements and designate protocols to be followed at during the removal of underground storage tanks (USTs), aboveground storage tanks (ASTs), oil/water separators (OWSs), Convaults, and related activities. The purpose of the CQMSP Plan is to detail the sampling objectives and methodologies of the work to be performed at each tank site to ensure that quality is maintained.

The CQMSP Plan is designed in accordance with the industry standards regarding quality assurance, quality control, and sampling analysis. The CQMSP Plan has also been developed and provided in accordance with UST regulations set forth in the State of New Jersey and enforced by the New Jersey Department of Environmental Protection (NJDEP).

The CQMSP Plan details the procedures that will be used to collect the samples at the respective sites and to ensure that the overall integrity of the samples collected and the analyses conducted.

2.0 QUALITY ASSURANCE OBJECTIVES

The data quality objectives established for each measurement parameter are based on prior knowledge of the measurement system employed; method validation studies using one or a combination of factors such as duplicates, spikes, standards, calibrations, and recovery studies; and the requirements of this project. Precision, accuracy, completeness, representations, and comparability objectives for the Military Ocean Terminal at Bayonne UST closures are discussed in the following sections. The procedures used to achieve these objectives are also presented.

2.1 Precision

Precision is a measure of mutual agreement among individual measurements of the same property, usually under prescribed similar conditions. Various measures of precision exist depending on the "prescribed similar conditions." To ensure precision, all samples will be submitted to the same USACE-certified laboratory. In addition, the laboratory will conduct appropriate instrument checks and calibration; two duplicate samples will be submitted for analysis. The duplicates will be treated as separate samples for identification, logging, and shipping. Analytical results for the duplicates will be filed with the appropriate field sample data. These procedures will determine whether particular analytical data would be reproducible for a specific sample.

A duplicate is an additional sample taken from one of the same locations in the sampling set. One duplicate sample will be collected for each tank for each medium sampled. The soil duplicate will be analyzed for total petroleum hydrocarbons (TPH) using U.S. Environmental Protection Agency (EPA) Method 8015. The duplicate sample will be labeled as a separate sample and submitted for analysis. The results will be compared with results from the other sample taken from the same location to verify the degree of precision. Duplicate readings must be within 20 percent relative difference.

No field rinsate blanks are required due to the use of the disposable plastic hand trowels.

2.2 Accuracy

Accuracy is the degree of agreement between a measurement and an accepted reference or true value that can be expressed as a difference, percentage, or ratio as follows:

Difference = X-T
Percentage = (X-T)/T x 100
Ratio = X/T

where,

X = a measurement recorded, and
T = an accepted reference or true value.

Accuracy will be achieved for this investigation by applying standards and guidelines specified in U.S. Army Corps of Engineer (USACE) procedures. Generally, the laboratory will run at least one sample spike for each batch of samples analyzed. Results will be recorded on control charts and have upper and lower acceptable limits of the known spike concentration based on criteria specified in each analytical method. Results of the spike analysis will be maintained by the laboratory and can be provided upon request. The laboratory will report any accuracy discrepancies with the analytical results data package.

2.3 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount that was expected to be obtained under normal conditions. The completeness objective for the MOTBY UST is 90 percent. The degree of completeness will be determined by evaluating the data in conjunction with precision and accuracy requirements.

2.4 Representation

Representation is the degree to which the data accurately and precisely represents a characteristic of population, parameter variations at a sampling point, a process condition, or an environmental condition. For the MOTBY UST closures, representation will be achieved by following appropriate sampling procedures of the NJDEP. These procedures are outlined in Section 3.0, Sampling, when these samples are analyzed in conjunction with the accuracy and precision requirements, the representation objectives for the project will be met.

2.5 Comparability

Comparability expresses the confidence with which one data set can be compared to another. Comparability will be achieved by maintaining, whenever possible and applicable, the units of measurement for the sample data consistent with those currently in use by the federal and local agencies. For instance, contaminant concentrations will be expressed in micrograms per liter (µg/liter) or parts per billion (ppb) for liquids, and micrograms per kilogram (µg/kg) or ppb for solids on a dry-weight basis. All of the data will be calculated and reported in units consistent with other organizations reporting similar data to allow comparability of databases among organizations.

3.0 SAMPLING PROCEDURES

This section contains a discussion of sampling procedures to be used for the MOTBY UST closures. The use of appropriate sampling procedures will improve representation of the data acquired during the investigation. The section includes a discussion of the following.

- Sampling strategy;
- Pre-sampling orientation of the sample collection crew;
- Description of sampling techniques or guidelines used to select sampling sites;
- Sampling methods with procedures outlined for each sample matrix;
- Sample handling procedures with descriptions of the sample containers, procedures; and reagents used for sample collection, preservation, transport, and storage;
- Sampling equipment decontamination procedures to avoid sample contamination;
- Field documentation procedures; and
- Custody procedures for sample shipment.

3.1 Sampling Strategy

Apex proposes to perform, prior to removing the tanks, a sampling and analysis task at each tank location to determine whether the soil in the tank excavation has been impacted by a release. This will minimize the time the tank excavations remain open due to unanticipated presence of soil contamination.

To accomplish this task, Apex will install a total of four soil borings per underground tank site (a total of 40 soil probes for this project) using a Concord drill rig equipped with Geoprobe 48-inch long soil sampler. The sample locations will be placed on each side of each tank site. At each tank site, the soil sampler will be advanced from grade at 4-foot intervals to a depth corresponding to the maximum depth of each UST ranging from 8 to approximately 15 feet below grade. Retrieved samples from each sample interval will be examined, logged, and field screened by the field geologist for the presence of petroleum hydrocarbons using a photoionization detector (PID) through the field headspace analysis (HAS) technique. Field HAS will be performed by partially filling a sealable container with soil, allowing the volatile organic compounds (VOCs) within the headspace to vaporize, and taking measurements of the VOC concentrations within the headspace of the container using the PID.

Soil samples from the interval exhibiting the highest PID result will be containerized from each boring location for laboratory analysis. The samples will be sent to a USACE-certified laboratory for total petroleum hydrocarbon (TPH) diesel range organics (DRO) using EPA Method 8015 on a standard one-week turnaround time. If PID results for one or more samples for a particular tanks site is greater than 100 parts per million (ppm), a composite sample will be collected and sent to the laboratory for disposal characterization analysis.

Petroleum-contaminated soil characterization, excavation, transportation, and disposal is not part of this scope of work. However, based on information that will be obtained from the analytical results, the extent and level of contamination can be established, an estimated volume of petroleum contaminated calculated, and appropriate petroleum-contaminated soil disposal arrangements can be made. This will be done before the field crew mobilizes to perform the UST removal activities.

3.2 Pre-Sampling Orientation

A pre-sampling orientation meeting will be conducted to inform the sample collection crew of site health and safety and sampling methods to be used during the investigation. This will help the sample crew to familiarize themselves with the overall scope of the study, the sampling procedures, and the methodology for the use of the sampling equipment.

The objectives of the meeting, in particular, will be to familiarize the sampling crew with the following.

- Sample material characteristics, sampling equipment, and safety procedures;
- Locations and number of sampling and/or monitoring points;
- Equipment operation and calibration procedures;
- Sample collection procedures and frequency;
- Sample preservation, storage, and shipping;
- Documentation and record keeping procedures; and
- Decontamination materials and equipment decontamination procedures.

3.3 Sampling Methods

Soil samples will be collected during pre-tank removal activities using a 48-inch long soil sampler by a direct-push/hammer method. Apex use flush threaded, one-inch diameter, three-foot long, hardened steel probes to drive the sample head. Within the core sampler is an acetate liner in which the soil sampler is containerized for inspection when brought to the surface. A new acetate liner is used for each sample interval. The probe assembly consists of three-foot probe rods attached in series to accommodate the sampling depth. The probe rod is driven into the ground by the hydraulic hammer on the rig mounted on the truck.

During tank removal activities, soil samples will be obtained from the bottom and walls of the excavation using the excavator. Samples will also be obtained every fifteen feet along pipe trenches, during the removal of piping. A representative sample from each sample area in the excavation will be obtained and brought to the surface by an earth equipment bucket. A section of this soil in the bucket will be transferred into a sealable container for headspace readings using a disposable trowel. For each tank site, Apex will collect the specified amount of samples based on the capacity of the UST, in association with the NJDEP requirements. Samples will be collected from the bottom of the excavation, the walls of the excavation, as well as from the trenches of the piping.

During excavation activities, Apex's field geologist will supervise and inspect soil removal activities. Visual observations will be documented in a dedicated field book. A MicroTip 2000 PID will be used to field screen the excavation soils. Table 1 displays the amount and type of analysis for each specific tank site.

Table 1
Sampling Amounts and Locations
Military Ocean Terminal
Bayonne, NJ

Location	Matrix	Number of Samples	Analysis
Building 91D (3) 2,500-gallon USTs Gasoline	Soil	42	TPH –DRO EPA Method 8015 VOCs EPA Method 8260-B
Building 254 (GBV) (2) 6,000-gallon USTs Heating Oil	Soil	20	TPH –DRO EPA Method 8015
Building 229H and 229J (2) 1,000-gallon USTs Heating Oil	Soil	14	TPH –DRO EPA Method 8015
Building 82 (TOC) 1,000-gallon UST Heating Oil	Soil	8	TPH –DRO EPA Method 8015
Building 42N 2,500-gallon UST Heating Oil	Soil	10	TPH –DRO EPA Method 8015
Building 234A 1,000-gallon UST Heating Oil	Soil	7	TPH –DRO EPA Method 8015

3.4 Sample Handling

Soil samples identified for laboratory analysis will be transferred into four-ounce wide mouth laboratory–grade sample jars. All necessary information will be provided on the sample label affixed to the jar, which will be stored in an iced cooler pending shipment to the laboratory for analysis. The inside temperature of the ice chest will be maintained at four degrees Celsius (°C) using ice and/or blue-ice packs. Samples will be transported to the laboratory; the samples will be preserved within the 48-hour holding time limit.

If samples cannot be shipped on the same day that they are collected, packaging the samples in coolers will be delayed until the following morning so that the samples can be shipped with a full load of ice. The samples will be stored on ice in coolers, and kept in a secure area.

3.5 Decontamination Procedures

The soil sampler used during the pre-construction sampling task will be decontaminated between sample locations using industry standard procedures as described below.

- Alconox detergent wash and water rinse;
- Distilled water rinse;
- Air dry; and
- Distilled water rinse.

3.6 Documentation

A sample numbering system will be used to identify each sample. This numbering system will provide a tracking procedure to allow retrieval of information about a particular sample and assure that each sample is uniquely numbered. The sample identification numbers will be composed of four components:

1. A three letter designation to identify the project for which the sample is collected. (For instance, Burrville Elementary School will be BES.
2. A code to identify its type as follows:
   - T - tank pit sample,
   - P - product supply line, and
   - S – tank site (pre tank removal soil boring location).
3. A numeric designation identifying the sample depth.
4. A two-digit number to indicate the specific sampling location. (The numbers will begin with 01 and range up to the number of locations to be sampled; 08 for this project.)

An example of a complete sample identification number is:

- BES-T1-10-01: Burrville Elementary School, tank no. 1, sample depth of 10 feet, sample no. 1.

Three part sample labels will contain sufficient information to uniquely identify the sample in the absence of other documentation. The labels will include:

- Unique sample number,
- Sampling date and time,
- Site name,
- Individual collecting the sample, and
- Preservation method employed (if applicable).

One part of the label will be directly affixed to the sample container and another part will be placed on a designated page in the field notebook for the project. The third can be used as a back up. All writing on the labels will always be completed using indelible ink.

All the necessary information for sampling will be recorded on field sampling data sheets and/or in a field-sampling logbook. This information will include sample type(s) taken, sample identification number, project name, project location, sample collection date, analyses requested, sample container(s), preservative(s), label identification (if applicable), all field measurements, casing volume calculations, sampling location, time of sampling, field samplers' names (with identification of leader), and comments.

Pertinent observations, such as statements pertaining to any problems encountered, will be noted in the field logbook. A sample analysis request form and a chain of custody form will be completed before transport or shipment. A complete description of sample custody is discussed in the next subsection.

3.7 Custody Procedures

As part of standard operating procedures, a chain of custody will be maintained for routine control of sample exchanges. The chain of custody includes a field logbook, a sample label, a sample analysis request form, and a chain of custody record. The sample custody will be maintained for both field sampling and laboratory operations.

After completing all field documentation procedures, the ice chest containing the samples will be addressed, identified, and placarded, as appropriate. The ice chest will be hand-carried or shipped to the designated laboratory under proper custody documentation procedures. After transfer of custody to the laboratory personnel, the samples are generally stored in a refrigerator or other cold storage unit.

3.7.1 Field Operations

Prior to sampling, all personnel involved will be instructed as to the chain of custody procedures. The following custody procedures will be followed in the field, as applicable:

- A chain of custody record will be initiated in the field for the samples. A copy of this record will accompany the samples.
- Each time responsibility for custody of the sample changes, the new custodian will sign and date the record.
- The custody of sample container will be documented by recording container identification on an appropriate chain of custody form.
- The following documentation will supplement the chain of custody records:
- Sample label on each sample.
- Field collection notes.

In the event that the sample is shipped by a carrier service, the package will be properly placarded as necessary, and sent by registered mail with return receipt requested. All documentation, such as freight bills, post office receipts, Bills of Lading and other receipts, will be retained as part of the documentation.

3.7.2 Laboratory Operations

The following custody procedures will be followed:

- The laboratory will inspect the samples upon receipt and note any damage in the laboratory logbook.
- The laboratory will acknowledge receipt of the samples on the chain of custody form.
- The laboratory will assign a unique laboratory number to each sample.
- The laboratory custodian will distribute samples to the appropriate analyst for preservation, storage, and analysis.
- Upon completion of the laboratory analysis, the analyst or the custodian will send the analytical results along with a copy of the chain of custody forms to the Apex Project Manager.
- All documentation by the laboratory will be made in ink. If an error is made, a line will be drawn through the error and the revision entered.

4.0 ANALYTICAL PROCEDURES

4.1 Calibration

Laboratory instruments will be calibrated according to the intervals and techniques specified by the manufacturer for each instrument. If these are not available, the intervals will be established based on the stability and degree of usage of the test equipment, the degree of accuracy required, and regulatory requirements. A file will be kept for each piece of equipment to record results of the calibration and a label will be placed on the instrument indicating when the calibration was performed and when the next calibration is due. Any equipment past due for calibration shall not be used until calibration has been completed.

4.2 Data Reduction, Validation, and Reporting

One of the most important aspects of sample evaluation is the data reduction, validation, and reporting. This task will be performed by experienced personnel to ensure that only quality and representative data is reported for the selected parameters.

To validate the data, results are reviewed for consistency with previous results including the same number of significant figures and detection limits. The data should also be presented in reports of similar appearance and format. The results are then visually scanned for unusually high or low values based on prior data. If such a value is found, the results are checked to assure that the value was accurately read, calculated, and transcribed, and that the instrument was functioning properly. The appropriate corrective action will be taken based on the results of this check (e.g., instrument repaired, data recalculated, or sample rerun).

4.3 Preventative Maintenance

Preventative maintenance will be performed for all field instruments according to manufacturer specifications. The instruments and equipment will be decontaminated and calibrated as needed. Spare parts or other accessories needed for routine maintenance will be kept with the instruments and equipment for immediate use. All field instruments and equipment will be promptly returned to their protective containers after use.

Laboratory equipment will be maintained according to the intervals and tasks specified by the manufacturer. Preventative maintenance items will include:

- A schedule of preventative maintenance tasks;
- A list of any critical spare parts that should be on hand;
- A maintenance log; and
- A label for each piece of equipment indicating when the maintenance was performed and when the next maintenance is due.

Attachment 1

Gascoyne Laboratories, Inc., USACE Validation

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
HTRW CENTER OF EXPERTISE
12565 WEST CENTER ROAD
OMAHA, NEBRASKA 68144-3869

REPLY TO
ATTENTION OF

December 21, 1999

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Gascoyne Laboratories, Inc.
2101 Van Deman Street
Baltimore, MD 21224-6697

Gentlemen:

This correspondence addresses the recent evaluation of Gascoyne Laboratories, Inc. of Baltimore, MD by the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

METHOD	PARAMETERS	MATRIX[2]
8270C	Semivolatile Organics	Water[2]
8270C	Semivolatile Organics	Solids[2]
SW-846	TAL Metals[3]	Water[2]
SW-846	TAL Metals[3]	Solids[2]
Mod 8015	TPH - GRO/DRO[4]	Water
Mod 8015	TPH - GRO/DRO[4]	Solids
8260B	Volatile Organics	Water[2]
8260B	Volatile Organics	Solids

Remarks:

1) 'Solids' includes soils, sediments, and solid waste.

2) The laboratory has successfully analyzed a performance evaluation sample for this method/matrix.

3) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

4) Approval for this parameter is based on review of SOPs only.

Enclosed for your information is a copy of the Laboratory Inspection and Evaluation Report. Your laboratory has responded to the deficiencies as noted in the report. No further responses are necessary.

Printed on Recycled Paper

Based on the successful analysis of the performance evaluation samples and the results of the laboratory inspection, your laboratory will be validated for sample analysis by the methods listed above. The period of validation is 24 months and expires on November 19, 2001.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Richard Kissinger at (402) 697-2569. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

for Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise

Enclosure

Contractor's Name:	Apex Environmental, Inc
Address:	15550 Cobb Branch Way Rockville MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: Military Ocean Terminal Bayonne
LOCATION: MOTBY - 82/1 - Bayonne NJ DATE: 07/10/2000
CONTRACT NUMBER: _____ REPORT NO. MOTBY -001

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Utility Vehicle	1
Geoprobe Tech	1	Pickup	1
Geologist	1	Geoprobe	1
Foreman	1		
CIH	1		
Superintendent	1		
Project Manager	1		

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A
TOTALS			

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
8	-	

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE: N/A

WEATHER: Sunny ± 80 - 55°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

See attached daily log:

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

N/A

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 4 hour site specific H&S meeting w/ Superintendent and CIH performed. H&S meeting talk was in regards to all issues relating to each tank pull — overall H&S policies of Apex and Army Corp —
- Went over H&S Plan

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND/OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

N/A

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: MOTBY
Site Address: Bayonne

Client Contact:

Date: 07/10/2000
Apex Staff:
Title:
Apex Job Number: 10352.012
Client Phone:

Summary of Daily Events:

R. Jago, J. Lockwood, W. Kiser, on-site @ 0800
(CIH) (Superintendent/QAO) (Geologist)

8:15 - 09:45 Familiarized crew with AST/UST locations and specific health & Safety concerns with each area of concern & operation.

0945 - 1000 Met with (MOTBY) Richard Perusse (City of Bayonne) representative

1000 - 1100 Continued Health and Safety orientation

1100 - 1200 Met with Richard Ok. and phone conferenced Brian Jackson (USACOE)

1200 - 1600 Began work in respective areas

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: W.M. Kiser Date: 07/10/2000

W.M.K.

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft. Motby
Site Address:

Client Contact:

Date: 7/19/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 10350.013
Client Phone:

Summary of Daily Events:

On site 8:00 AM - 12:00 Pm Met with Joe Lockwood
Went around job and located all tanks.
Set up staging area. Removed 250 gal AST
at Bldg 42/1W and pulled to bay door
Removed all piping and 25 gal Simplex day
tank.

SITE Specific Health and Safety meeting performed from
~~1:00~~ 9:15 → 12:00 pm — went to each specific
tank area and discussed all H/S issues.

D. Ory - 8:00 - 4:00 - 8
B. Blickenstaff - 8:00 - 4:00 - 8
D. Bodycomb - 8:00 - 4:00 - 8

1200 W Kiser + L. Proceeded to take soil borings via
push technology @ Bld 91D (Gas station). 4 soil borings
with samples taken around the concrete Pad approximately to
10 feet below grade. One sample was found to contain contamination.

1415 Moved to Bld 72A and took 2 soil borings + samples around
50 gallon oil-water separator. samples had a slight discoloration
+ odor. Done for the day @ 1545

W.M. Kiser WMK

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: D. Ory Date: 7/19/00

Contractor's Name:	Apex Environmental, Inc
Address:	15850 Crabbs Branch Way Rockville, MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: Military Ocean Terminal Bayonne
LOCATION: MOTBY L-52/1 - Bayonne NJ. DATE: 07/11/2000
CONTRACT NUMBER: REPORT NO. MOTBY - 002

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Utility Veh	1
Geoprobe Tech	1	Pickup	1
Geologist	1	Geoprobe	1
Forman	1		
Superintendent	1		

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
6	8	48

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
N/A

WEATHER: Sunny 78 - 81°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

See attached daily log;

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

N/A

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 Minute Health + Saftey meeting performed prior to work activities
- TALKED regarding LEL/O2 reading prior to cutting AGSI's — must calibrate daily
- TALKED RE: TANKS TO be stored upside down and covered with tarp.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

N/A

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE: _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Ft Alotby
Site Address:

Client Contact:

Date: Tues 7/11/00
Apex Staff: D. Dry
Title: Foreman
Apex Job Number:
Client Phone:

Summary of Daily Events:

On site 7:30 AM. Started Demolition of Tank (500 gal) at building 61 B Pumped out tank Air reading is 21.5% O_2 Cut tank in half lengthwise. Stripped all piping Removed tank from building, Pulled all Sludge from tank and put in drum Moved to building #22 pumped out tank into drum after tilting tank. Cut tank into 4 pieces and wiped out sludge. Removed tank from building. Removed all piping. Removed 100 gal day tank from building 42N Removed all piping. Loaded tanks on trailer and moved to staging area

D. Dry - 7:30 - 3:30 - 8 hrs
D. Bodycomb - 7:30 - 3:30 - 8 hrs
B. Blickenstaff - 7:30 - 3:30 - 8 hrs

Soil Borings

W. Kiser + L. on-site @ 0730 - started (continued work at BH 72A and completed 2 additional borings of the oil water seperator. Samples had slight odor. We moved to Bld 229 ~~HNSEC's Home~~ day Care) to sample 2 1000 gallon USE @ 10:30 am. 8 Soil borings and samples were completed to approximatley 13 feet below grade. Work was completed @ 1525 and staged gear and departed the base

W.M. Kiser WM Kiser

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D. Dry Date: 7/11/00

[signature] 7/11/00

Description of All Work Performed Today
(List By Definable Features of Work)

SEE ATTACHED DAILY LOG –
Apex personnel also drove to NJDEP headquarters in Trenton, N.J. to obtain UST closure application Approval and pay $ 320.00

PREPARATORY INSPECTION

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.
Inspection of Generator located on 6th floor of bldg 42N – 65 gallon belly tank – Due to the fact that the tank was not observed during initial walk Thru – 3 options exist – as explained befor.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

N/A

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

- ~~OK~~
- OPEN DOOR ON 42N – Meeting w/ Army Corp Regarding security – & corrective action – Supv will inspect daily of All work areas.
- Meeting w/ Army Corp regarding belly tank – 42N/L
- Talked regarding Donvault transportation and

Contractor's Name: Apex Environmental, Inc
Address: 15800 Crabbs Branch Way
Rockville Md.
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: Military Ocean Terminal
LOCATION: MOTBY-82/1 - Bayonne NJ DATE: 07/13/2000
CONTRACT NUMBER: REPORT NO. MOTBY - 004

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe - 510 JD	1
Geoprobe Tech	1	Backhoe w/ hammer - 510 JD	1
Geologist	1	utility Vech -	1
Foreman	1	pickup	1
Superintendent/QA	1	Geoprobe	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
6	8	48

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
510 - John Deer Backhoe w/ demo hammer -

WEATHER: Sunny ~73-76°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? ND
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? YES IF YES, EXPLAIN.
meeting w/ Army corp. Re: 42N/6 - 65 gallon AGST - Belly Tank - must propose 3 options - 1 - leave in place w/ locking cap 2 - tack up and remove tank

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S
- Talked Regarding - overhead hazards and wearing hard hats appropriately -
- Work gloves to be disgarded if found with holes -

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND/OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

Inspection of 65 gallon AST - 42N/6

Deficiencies - Scope of work deficient for belly tank - Not day tank - change in Scope and pricing to be supplied to Army Corp Baltimore - ASAP.

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft Mothy NJ
Site Address:

Client Contact:

Date: 7/13/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 16352.01
Client Phone:

Summary of Daily Events:

On site 7:00 AM Continued work on manway lids at 91D Rented rivet breaker (air at Nations Rent to break bolts off lids. Stripped piping from Convaults at Bldgs 91A 211A and 235B Backhoe with breaker due at 12:00 PM Pumped water from sump at 234A Took off manhole lid Removed lid at 42N

D. Ory - 7:00 - 4:00 - 9
B. Blickenstaff - 7:00 - 4:00 - 9 NO LUNCH
D. Bodycomb - 7:00 - 4:00 - 9

Soil Borings

W. Kizer & Lee onsite @ 0700 and began work at Bld 254 (GBV) extending soil borings approximatley to 11 feet via hand power & push technology. all 4 samples were found to have elevated levels of contamination. work was completed @ ≈1020. Gear was broken down and moved to Bld 82 (TOC) 3 soil borings were extended down to approximatley 10 feet and sampled. A 4th boring (on the North side) could not be sampled due to an impassible resistance speculated to have been underground tunneling or electrical conduates enclosed by concrete.

~~W M Kizer~~ W. Kizer

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D. Ory Date:

J. Flockhart 7/13/00

Contractor's Name:	Apex Environmental Inc.
Address:	15 & 50 Crabbs Branch Way Rockville, MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: Military Ocean Terminal Bayonne
LOCATION: MOTBY - 52/1 Bayonne NJ DATE: 07/12/2000
CONTRACT NUMBER: REPORT NO. MOTBY -003

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Utility Veh	1
Geoprobe Tech	1	Pickup	1
Geologist	1	GeoProbe	1
Forman	1	Backhoe	1
Superintendent / QA	1		

SUBCONTRACTORS COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
6	8	48

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Sunny ≈ 80 - 84°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? YES IF YES, EXPLAIN.
65 gallon belly tank issued in 42N/6
NOT a day tank - must have meeting w/ Army

Description of All Work Performed Today
(List By Definable Features of Work)

See attached daily log:

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

N/A

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

NONE

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 Minute health & Safety meeting performed prior to work activities

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- Inspected 42N/6 - NOT a day tank or separate unit. The "belly" tank of generator is attached and unit is one, bolted to foundation.

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft. Motby NJ
Site Address:

Client Contact:

Date: 7/12/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

On site 7:30 AM. Moved staging area to new spot. Unloaded tanks. Removed steel manway lids at 229H, 229J, Started working on [illegible] lids at Building 71. Removed suction pumps from island and moved to staging area. Went to Carvault site and ordered 14 ton Boomb truck from Fleetz for Tuesday AM

D Ory - 7:30 - 3:30 - 8
D. Bodycombe - 7:30 - 3:30 - 8
B. Blickenstoff - 7:30 - 3:30 - 8

Soil Borings

W Kizer + Lee onsite @ 07:30 Began soil borings @ Bld 42N of a 2,500 gallon UST. 4 borings were extended to approximately 13 feet and sampled. Work was completed @ ~1030am. Gear was broken down and moved to Bld 234A (CO's Residence). @ 1135 work begun to extend 4 soil borings to approximately 13 feet. Work was completed @ 1435 no samples were found to indicate contamination. Gear was broken down + staged, departed the base @ 1535.

W.M. Kizer - WMK

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D. Ory Date: 7/12/00

7/12/00

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville, MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: Military Ocean Terminal
LOCATION: MOTBY - 82d, Bayonne, N.J. DATE: 7/14/00
CONTRACT NUMBER: REPORT NO. 005 - MOTBY

SUPERINTENDENT: Joseph Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Geoprobe	1
Geoprobe Tech	1	Backhoe - 510D	1
Geologist	1	Backhoe - 510D w/hammer	1
Foreman	1	VAC Truck	1
Supervision T/QA	1	Utility Vehicle	1
		Pick up Truck	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A
TOTALS			

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
6	10	60

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
VAC Truck
Dumpster

WEATHER: Sunny turning overcast thru rain @ 75°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES. EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES. EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE ATTACHED DAILY LOG

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

NO DELIVERIES OF MATERIAL -
DEMOLITION ACTIVITIES ONLY

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

N/A

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS) N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting performed prior to work activities
- Discussed electrical safety during conduit dismantling
- During pumping/use Truck operation - insure grounding of all equipment

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

N/A

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 300
ROCKVILLE, MARYLAND 20855
TELEPHONE (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft Meade
Site Address:

Client Contact:

Date: 7/14/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 1635J.02
Client Phone:

Summary of Daily Events:

On site 6:00 AM Stripped 1000 gal Convault at 228. Finished manholes at gas station. Pumped out gas tanks. Broke concrete over gas tanks. Replaced lock on door. Replaced manhole lids on all tanks. rain forecast for weekend. Started grading wall at 6BV. Dropped concrete dumpster. Pumped out 2500 gal diesel tank 42N.

D. Ory - 6:00 - 12:00 - 6 + 4 travel
D. Bodycomb - 6:00 - 12:00 - 6 + 4 travel
B. Blickensdorf - 6:00 - 12:00 - 6 + 4 travel
L. Livelsberger - 6:00 - 12:00 6 + 4 travel

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: D Ory Date: 7/14/00

D. Ory 7/14/00

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

288222

GENERATOR/LOCATION

SALES ORDER #

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: US RT 169 South

CITY: BAYONNE STATE: NJ ZIP: 07030

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN: 7:30 AM TIME OUT: 10:00 AM

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX ENVIRONMENTAL LLC

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY STATE ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER: NH2377GO

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						
40501	OILY WATER DISPOSAL		1320 GALLONS				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
1	DRUM DISPOSAL						
J4	TANK ENTRY						
40600	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						

TOTAL

CUSTOMER SERVICED EVERY 30 DAYS ☐

CONDITIONALLY EXEMPT 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.

EB Oil

GENERATOR'S SIGNATURE

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. INITIAL _____

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

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

JOE LUCKENBACH ASSIST. FACILITY MGR. / HAZ MAT

Print Name Title

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

KATY LUCKENBACH

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289761

GENERATOR/LOCATION

SALES ORDER # 91181

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE: BLDG. 82

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS:

CITY: BAYONNE

STATE: NJ

ZIP:

PHONE NUMBER: 201-222-9600

PURCHASE ORDER NUMBER:

TIME IN:

TIME OUT:

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX ENVIRONMENTAL

INFORMATION/ATTENTION LINE: SUITE 200

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS: 15850 CRABBS BRANCH WAY

CITY: ROCKVILLE MD

STATE: MD

ZIP: 20855

PHONE NUMBER: 201-222-9600 / 201-~~222~~ 3752 2

PURCHASE ORDER NUMBER:

MANIFEST NUMBER: 31741

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: PARK

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL	TD72	200	OPEN UNSERVICE			
40300	ANTI-FREEZE REMOVAL						
40501	OILY WATER DISPOSAL	TD72	1100				770
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
[illegible]1	DRUM DISPOSAL						
[illegible]4	TANK ENTRY						
40600	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			4 HRS	65			260
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS ☐

CONDITIONALLY EXEMPT 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.

E.B

GENERATOR'S SIGNATURE

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 LESSE 1½% PER MONTH (18% PER ANNUM) OR THE MAXIMUM ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITH DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLE RECOVER COSTS OF COLLECTION, INCLUDING REASON ATTORNEY'S FEES. INITIAL _____

$1,032

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

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

JOSEPH LOCKWOOD

Print Name _____ Title _____

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT

TEST RESULTS

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PAR LORCO has notified the US EPA of its location and u management activities.

BATSY A. PAND

Print Name _____

Apexenvironmental, inc

"DAILY" HEALTH & SAFETY
SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification: Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood	7/11	7:30	Apex Env - NJ	X	X		X	X	X
Richard Jones			Apex Env - NJ	X	X		X	X	X
William Kreer			Apex Env - NJ	X	X		X	X	X
Travis Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens			Apex Env - MD	X	X				
Leigh Luetsbeyer			Apex Env - MD	X	X		X		
David Redycomb			Apex Env - MD		X		X		
David Ogy			Apex Env - MD	X	X		X		X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Apexenvironmental, inc

"DAILY" HEALTH & SAFETY
SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification					
				Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood	7/12	7:30	Apex Env - NJ	X	X		X	X	X
Richard Jano			Apex Env - NJ	X	X		X	X	X
William Kizer			Apex Env - NJ	X	X		X	X	X
James Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens			Apex Env - MD	X	X				
Leigh Luetsberger			Apex Env - MD	X	X		X		
David Bodycomb			Apex Env - MD		X		X		
David Coy			Apex Env - MD	X	X		X		X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Apexenvironmental, inc

DAILY HEALTH & SAFETY
SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification					
				Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood	7/13	7:30	Apex Env - NJ	X	X		X	X	X
Richard Jaco			Apex Env - NJ	X	X		X	X	X
William Kitzer			Apex Env - NJ	X	X		X	X	X
Travis Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens			Apex Env - MD	X	X				
Leigh Luekbeyer			Apex Env - MD	X	X		X		
David Bodycomb			Apex Env - MD		X		X		
David Cry			Apex Env - MD	X	X		X		X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Apexenvironmental, inc.

"DAILY" HEALTH & SAFETY
SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification					
				Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood	7/14	6:00	Apex Env - NJ	X	X		X	X	X
Richard Jano			Apex Env - NJ	X	X		X	X	X
William Kizer			Apex Env - NJ	X	X		X	X	X
James Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens			Apex Env - MD	X	X				
Leigh Luelsberger			Apex Env - MD	X	X		X		
David Bodycomb			Apex Env - MD		X		X		
David Cicy			Apex Env - MD	X	X		X		X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Contractor's Name: Apex Environmental
Address: 15850 Crabbs Branch Way
Rockville MD.
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MOTBY - Military Ocean Terminal
LOCATION: MOTBY - 82/1 Bldg, Bayonne, DATE: 7/17/00
CONTRACT NUMBER: REPORT NO. MOTBY-006

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Lagon	2	Backhoe - 50 S10	1
Foreman	1	Backhoe - 510 w/ hammer	1
Superintendent / UA/QC.	1	Utility Vehicle	1
CIH	1	Pickup	2

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
5	0	40

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: 75-80°F Clear - Slightly overcast SITE CONDITIONS: Clear Sunny

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? No IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

Excavate 3-2500 gallon Gas tanks
demo concrete pads and retaining wall

SEE daily log sheet ATTACHED

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

Inspection of stone delivery w/ visual and field detection equipment - (PID).
No elevated readings were detected
Visual survey of materials was
SATISFACTORY

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

4 loads of 3/4" clean stone (certified clean & documented by supplier - were visually observed to be free on contamination or excessive crushed stone dust - No PID reading above background (0.2 ppm) during unloading.

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED?

N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H/S meeting
- Talked w/ respect to excavation of gas tanks. Inerting tank w/ dry Ice, staging excavation, segregating concrete / asphalt, maintaining low dust levels
- Talked w regard to WATER MAIN by 910 gas tanks

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

NA

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS. EXCEPT AS NOTED ABOVE

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: ARMY Corp.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
8211 Bldg, Bayone, N.J.
Client Contact: BRIAN JACKSON

Date: 7/17/00
Apex Staff: JOE L.
Title: Superint / QA/QC
Apex Job Number:
Client Phone:

Summary of Daily Events:

Began excavation of 91D-(3)-2500 gallon USTS (2 men)
Continued breaking up Southern exterior retaining
wall @ Bldg 254 GBV-(2)-6000 H.O.
Went around and broke up pads @ 229 H & J, 42N
72 A, & 234 A. Placed segregated concrete into
dumpster.
- Recieved 4 loads - Approx. 100 tons of certified
Clean 3/4" stone from Blue Circle MATERIALS -
Lorco Petroleum - pumped approx. 1500 gallons - of
O.L.Y WATER FROM 42N - 2500 gallon diesel

2 loads by 91D
1 load by 254
1 load by 42N

91D tank excavation -
2 USTS Removed
N/EASTERN Tanks -
No sheen/NO PID reading
above background - No visual contam

91D
Island

7/17 Removed
7/17 Removed
7/18/00 To be removed

Apex - Ed Bleigh 7:00 - 3:00 - No lunch
David Bodycomb 7:00 - 3:00 - No lunch
Brett Blickens 7:00 - 3:00 - No lunch
Joe Lockwood 2:00 - 3:00 - No lunch

H/S NOTES: 15 MINUTE H/S Meeting 7:00 - 7:20
TALKED RE: GAS TANKS - Inert w/ dry ICE, WATER line
along excavation Southern wall - and sloping
excavation.

Signature of Client/Site Contact: [signature] Date: 7/17/00

Signature of Apex Representative On Site: [signature] Date: 7/17/00

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289792

GENERATOR/LOCATION

SALES ORDER # N/A

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: BLDG 82

CITY: BAYONNE

STATE: NJ

ZIP: 07030

PHONE NUMBER: 2011

PURCHASE ORDER NUMBER

TIME IN

TIME OUT

BILL TO (IF DIFFERENT FROM LOCATION)

NAME

INFORMATION/ATTENTION LINE: APEX ENVIRONMENTAL

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: SUITE 200

CITY: 15850 CRABBS BRANCH WAY

STATE: MD

ZIP: 20855

PHONE NUMBER: ROCKVILLE

PURCHASE ORDER NUMBER

MANIFEST NUMBER: 2,200

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						
40501	OILY WATER DISPOSAL						
40502	SLUDGE DISPOSAL	I72	1500	1050 (42N Bldg 25 Sandy Hill D)			1050
[illegible]01	GASOLINE/WATER						
[illegible]01	DRUM DISPOSAL						
[illegible]04	TANK ENTRY						
[illegible]00	OIL FILTER REMOVAL						
[illegible]00	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			2 HRS	Service			130
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS

CONDITIONALLY EXEMPT 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

E.B

GENERATOR'S SIGNATURE

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. INITIAL _____

$1150

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

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

Lockwood (Agent for Army Corp)

Name Title

Signature

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (1)

CONTROL NO.		174783
1	LEAVE PLANT	
2	ARRIVE JOB SITE	
3	START DISCHARGE	
4	FINISH DISCHARGE	
5	LEAVE JOB SITE	
6	ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Fresh mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO THE BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CLAIM FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE W... STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM... CESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENG... ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK... CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENG...

RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS E.B

Plant	Ticket No.	Truck	Load Size	Description				Slum
11	358191		23.42	TARE	12.38	GROSS	35.80	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		A. EZZO	1717	1

Del. Add./Inst.
BAYONNE-MILITRY OCEAN TER(309C

TRUCK: 9229
OFF 169 TO GUARDHSE-ASK FOR JOE Locka

Date	Time Due		Use	P. O. No.	ZONE:
17-Jul-00	08:18		0	MOTBY	50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOU
23.42	23.42	4.00	309C	3/4 STONE	tons		
23.42				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.
ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.
The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (1)

CONTROL NO.	174784
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

EB

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

AUTION KEEP OUT OF REACH OF CHILDREN

P mixed concrete may cause skin irritation. Avoid direct contact wh possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

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PLEASE NOTE:
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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS Bob 3-2106

Plant	Ticket No.	Truck	Load Size	[illegible]	Description	Slum
11	358182		26.74	[illegible]	TARE 13.61 GROSS 40.35	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		ZABRISKIE	1717	2

Del. Add./Inst.
BAYONNE-MILITRY OCEAN TER(309C TRUCK: 2106
OFF 169-TO GUARDHSE-ASK FOR JOE

Date	Time Due		Use	P. O. No.	
17-Jul-00	08:20		0	MOTBY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOU
26.74	50.16	4.00	309C	3/4 STONE	tons		
26.74				AGG HAUL CHARGE			

Truck Body

IN THE [illegible]T OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDE[illegible] DRIVEWAYS OR OTHER PROPERTY. ANY [illegible] ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.
ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X [signature] Gals. add. at cust. req.: _____

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SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (1)

CONTROL NO.	174856
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 4613

Plant	Ticket No.	Truck	Load Size	Description			Slum
11	358254		26.98	TARE 12.27	GROSS 39.25		

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.
10068	APEX ENVIRONMENTAL, INC.		KUCUK	1717

Job Add./Inst.
YONNE-MILITRY OCEAN TER(309C TRUCK: 4613 OFF 169-TO GUARDHSE-ASK FOR JOE

Date	Time Due		Use	P. O. No.	
17-Jul-00	11:41		0	MOTBY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOU
26.98	77.14	4.00	309C	3/4 STONE	tons		
26.98				AGG HAUL CHARGE			
				fuel surch			

IN[illegible]ENT OF DELIVERY BEYOND CURB LINE. THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDE[illegible]S, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

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ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X _____ Gals. add. at cust. req.: _____

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SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

CUSTOMER EXTRA COPY (1)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.	174877
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

F[illegible]ed concrete may cause skin irritation. Avoid direct contact wh[illegible]sible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

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E.B

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS _____

Plant	Ticket No.	Truck	Load Size	Description				Slum
11	358273		25.96	TARE	13.58	GROSS	39.54	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		MOLNAR TRU	1717	4

Del. Add./Inst.
YONNE-MILITRY OCEAN TER(309C — TRUCK: 2545 — OFF 169-TO GUARDHSE-ASK FOR JOE — Lakewood 254

Time Due		Use	P. O. No.	
7-Jul-00	12:46	0	NOTBY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOU
25.96	103.10	4.00	309C	3/4 STONE	tons		
25.96				AGG HAUL CHARGE			

IN T[illegible]T OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDE[illegible] DRIVEWAYS OR OTHER PROPERTY.
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SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR

DAILY HEALTH & SAFETY

SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification					
				Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood			Apex Env - NJ	X	X		X	X	X
Richard Jano			Apex Env - NJ	X	X		X	X	X
William Kizer			Apex Env - NJ	X	X		X	X	X
Travis Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens			Apex Env - MD	X	X				
Leigh Luelsberger			Apex Env - MD	X	X		X		
David Bodycomb			Apex Env - MD		X		X		
David Cary			Apex Env - MD	X	X		X		X
Ed Bleigh			Apex Env - Md	X	X		X	X	X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY - 82/1 Bldg, Bayonne, N.J DATE: 7/18/00
CONTRACT NUMBER: REPORT NO. MOTBY - 007

SUPERINTENDENT: JOE LOCKWOOD

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Backhoe - JD 510	1
Foreman	1	Backhoe - JD 510 w/ hammer	1
Supt/QAQC	1	Utility Vech.	1
Geologist	1	Pick up	2
Supt - Rockville (A)	1	Trader dump	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
6	43 hrs	43 hrs

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Sunny 82°F ≈60% humidity SITE CONDITIONS: Clear/open

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? No
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED.

- Removed last tank @ 910
- Cleaned out excavation for inspection
- Removed piping along pipe trench and Sampled for VOA + 10 + K - 8260
- moved to 254 GBW
- Inspection by Army Corp?
- Backfilled to grade w/ stone 3/4"

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Inspection by Army Corp representative
- Inspection by Army Corp GRAC
- Inspection by Env. Health Specialist (city of Bayone)

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

Sampled underlying soils along pipe trench @ 910 from excavation to pump station : visually & utilizing PID. Samples collected for 8260 - (VOA) ANALYSIS.

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting performed prior to work
- Discussed eye protection and sloping back excavation
- During removal activities @ 254 - discussed overhead hazards - (electrical lines)

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND/OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- Ed - Army Corp rep inspected holes repeatedly @ 910 and trench - said it was ok to backfill excavation
- Mike A and Rich from Army BRAC Inspected excavation and trench @ 910 and we were told it was fine to backfill excavation -
- Rich - City of Bayonne was on-site asking questions about (ENV. Health Specialist)
  - > contaminated soil.
- Expected inspection from NJDEP case manager but never showed up.

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: ARMY CORP.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY-82/1
BAYONE, N.J.
Client Contact: BRIAN JACKSON

Date: 7/18/00
Apex Staff: JOE LOCKWOOD
Title: Super/QAQC
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

- 15 MINUTE H&S meeting
- Began work @ 9:10 - REMOVED last 2500 gallon UST
  Staged adjacent to hole pending ARMY/STATE inspection
- CLEANED out EXCAVATION TO Stabo - WATER - NO sheen
  visual contamination or PID readings > background
- Jackhamer w/ 510 JD along trench - remove asphalt
  and segregate
- Sample along pipe trench every 15'. w/in 6" of fiber glass
  lines removed.
- Backfill excavation to 3" to grade pending restoration
- Backfill trench to grade - tape off both pending restoration
- SEND samples to Rockville w/ CHAIN - Photodocument all work performed
- Received 1 5yd general refuse dumpster from Scerbo bros -
- Rich - APEX-Rockville delivered streps & recharger for CCL
- Ordered ANOTHER Concrete 20yd. dumpster for Thursday/Friday
- Ordered Boom Truck for Wed night/Thursday morning delivery
- Inspected by Army Corp/BRAC and

½ hr lunch
- Ed Bleigh 7:00 - 400
- Joel 7:00 - 4:00
- Rich Kenny 12:00 - 400
- Dave Body Cook - 7:00 - 400
- Brett Blinders - 7:00 - 400
- Bill Kiser - 12:00 - 400

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/18/00

CHAIN OF CUSTODY RECORD

environmental, inc.

15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

JOB NO.: 10352.015 | JOB NAME: USACE Bayonne

PROJECT MANAGER (Printed): Travis Black

SAMPLER(S): (Signature(s))

PARAMETERS | TURN-AROUND TIME: 72 HRS

SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	NO. OF CONTAINERS	8260 VOA TCL + STARS	REMARKS
PX-06AX	7/18	1313		X	S	ICE	1	X	
PX-08	7/18	1326		X	S	METH	1	X	
PX-08A	7/18	1325		X	S	ICE	1	X	
PX-09FB	7/18	1245		X	LIQ	HCL	2	X	
PX-10TB	7/18	[illegible]		X	LIQ	METH	1	X	
PX-07	7/18	1315		X	S	METH	1	X	
PX-07AX	7/18	1317		X	S	ICE	1	X	
							TOTALS	8	

Relinquished by: (Signature) ① — Date/Time: 7/13/00 0700
(Printed): Travis M. Black
Relinquished by: (Signature) ⑤
(Printed)

Received by: (Signature) ①
(Printed)
Received by: (Signature) ④
(Printed)

Relinquished by: (Signature) ②
(Printed)
Date/Time
Remarks

Received by: (Signature) ④
(Printed)

1 of 1 pages

Distribution: WHITE => original (accompanies samples) ; YELLOW => laboratory copy ; PINK => sampler's copy

DAILY HEALTH & SAFETY

SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY 7/18/08 Page 1 of 1

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name (Print)	Date	Time	Representing	Certification: Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood			Apex Env - NJ	X	X		X	X	X
Richard Jaco			Apex Env - NJ	X	X		X	X	X
William Kitzer			Apex Env - NJ	X	X		X	X	X
Travis Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens			Apex Env - MD	X	X				
Leigh Livelsberger			Apex Env - MD	X	X		X		
David Bodycomb			Apex Env - MD		X		X		
David Ory			Apex Env - MD	X	X		X		X
Ed Bleigh			Apex Env - Md	X	X		X	X	X
Rick Kinda			Apex Env. Md	X	X		X	X	X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Contractor's Name: Apex Environmental
Address: 15850 Gaby Branch Way
Rockville MD
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, Bldg #2/1, Bayone, N.J. DATE: 7/19/00
CONTRACT NUMBER: REPORT NO. MOTBY-008

SUPERINTENDENT: JOE LOCKWOOD

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe 510 JD	1
FOREMAN	1	Backhoe 510JD w/ hammer	1
Super/GAGE	1	Utility vehicle	1
Super (2) Rockville	1	pickup	1
		Boom Truck	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
5	8	40

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
2 loads of DGA (3/4" Bluestone w/ stone dust) QP or CR6
Boom Truck - Hertz

WEATHER: OVERCAST 65°F RAIN SITE CONDITIONS: RAIN/WET

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? YES IF YES, EXPLAIN.
The ordered Boom Truck was not capable of lifting convaults
Ordered a 40 TON crucher in conjunction with boom truck will be used to Remove and load convaults

Description of All Work Performed Today
(List By Definable Features of Work)

- SEE DAILY LOG ATTACHED

; worked on Trench @ 910 - prep to pave
; Productivity low due to weather

PREPARATORY INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

Ed - Army Corp - concerned about compaction - Indicated to Ed that the pit and trench were compacted in 1' lifts with jumping jack - also 3/4" blue stone and pea gravel, once in place, was sufficiently compacted

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

Visual observation of 2 loads of DGA, screened w/PID
NO readings above background of 0.2 ppm.

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES:

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting
- discussed West Nile virus and outbreak in Staten Island.
- discussed 2 stray dogs on base and beware do not pet.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND/OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

Ed - Army Corp - Inspected 3x today
No discussions w/ exception to compaction activities

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS. EXCEPT AS NOTED ABOVE

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Section 01440

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: ARMY CORP.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
8211 Bldg, Bayone, N.J
Client Contact: BRIAN JACKSON

Date: 7/19/00
Apex Staff: JOE Lockwood
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- 15 minute SAFETY MEETING - Discussed Rubid animals, strain drop and W. Nile virus outbreak in Staten Island
- Pick up Asphalt/Concrete saw from National Rent
  SAW cut 91D excavation
- Stockpiled asphalt and concrete.
- Utilizing boom truck tried to move Convault at 235A - FAILED - NEED 40 TON wrecker -
- Call G+W for scheduling and look @ Job
- G+W on-site and scheduled for 7/20/00
- Received 2 loads of DGA (CRG) or QP
- Stockpiled store and covered w/ plastic due to RAIN -
- Prepped trench for paving @ 91D

Productivity slowed down @ 300 due to continuing Rain
- Demobilized, and secured 91D excavation

Rick - 8 - 12
Ed B - 8 - 4
Brett - 8 - 4
Dave 8 - 4
JOE 7 - 4

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/19/00

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (1)

CONTROL NO.	175188
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Freshly mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CL FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE W STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM CESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENG ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENG

RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 4613

Plant	Ticket No.	Truck	Load Size	Description				Slum
11	358598		26.81	TARE	12.27	GROSS	39.08	—

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.
10068	APEX ENVIRONMENTAL, INC.	1	RALPH	1740

Del. Add./Inst. BAYONNE-MILITARY OCEAN TER(335 TRUCK: 4613 OFF 169-GAURDHOUSE-ASK FOR JOE L

Date	Time Due	Use	P.O. No.	ZONE:
29-Jul	09:30	1		50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
26.81	26.81	2.00	33	3/4 D G A	TON		
26.81				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.
ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.
The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FO VARIATION IN COLOR.

CUSTOMER EXTRA COPY (1)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.	175198
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Freshly mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CLA FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE W STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM CESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENG ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LAC CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENG

RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 2-6 9502

Plant	Ticket No.	Truck	Load Size	Description				Slur
11	358596		23.62	TARE	15.58	GROSS	39.20	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10064	APEX ENVIRONMENTAL, INC.		J. CUTLA	1740	E

Del. Add./Inst.
BAYONNE-MILITARY OCEAN TERMIN — TRUCK: 9502 OFF 169 GAURDHOUSE ASK FOR JOE L

Date	Time Due		Use	P. O. No.		
19-Jul-00	10:15		1		ZONE:	50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOU
23.62	50.43	2.00	37	3/4 D G A	TON		
23.62				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.
ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.
The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FC VARIATION IN COLOR

Apexenvironmental, inc.

"DAILY" HEALTH & SAFETY

SITE HEALTH AND SAFETY PLAN ACKNOWLEDGMENT FORM

Site: MOTBY 7/19/00 Page 1 of 1

By placing my signature below, I certify that I have read the site safety plan, fully understand its requirements, any questions concerning the plan have been answered, I have the certifications indicated, and I will follow all safety directives set forth by the plan and/or dictated by Apex Environmental, Inc., as long as I am present at this site.

Name	Date	Time	Representing	Certification: Med.	40 Hr.	24 Hr.	8 Hr.	Supr.	APR
Joseph Lockwood		JL	Apex Env - NJ	X	X		X	X	X
Richard Jono			Apex Env - NJ	X	X		X	X	X
William Kizer			Apex Env - NJ	X	X		X	X	X
Travis Black			Apex Env - MD	X	X		X		X
Wm Brett Blickens		WM	Apex Env - MD	X	X				
Leigh Livelsberger			Apex Env - MD	X	X		X		
David Bodycomb		DSB	Apex Env - MD		X		X		
David Ory			Apex Env - MD	X	X		X		X
Ed Bleigh		EAB	Apex Env - MD	X	X		X	X	X
Rick Kinna		RK	Apex Env MD	X	X		X	X	X

Explanations: Med. - Medical Examination as detailed in text; 40 hr. and 24 hr. - hours of initial hazardous waste site safety training; 8 hr. - refresher course; Supr. - hazardous waste site supervisors' training; APR - fit tested for air purifying respirator.

Contractor's Name: AGEX Environmental
Address: 15850 Crabbs Branch Way
Rockville MD
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY - Bayonne, N.J. DATE: 7/20/00
CONTRACT NUMBER: REPORT NO. MOTBT-009

SUPERINTENDENT: JOE LOCKWOOD

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
		Boom Truck	1
LABOR	2	Pump Truck	1
Foreman	1	VAC. Truck	1
Super / QAQC	1	Wrecker	1
		backhoe 510 - JD	1
		backhoe 510 - JD - hammer	1
		utility	1
		pickup	1

SUBCONTRACTORS Truck/Trailer - other (2)

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A
TOTALS			

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	11	44

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
VAC Truck - Dump Truck

WEATHER: Clear 80°F SITE CONDITIONS: Clear/Sunny

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

— SEE DAILY LOG — FOR more detail
- pumped and cleaned 42N, 229 H, 229 J, 254, 228, 4 convaults
- COATED convaults
- completed prep for pave @ 91D
- Removed tank @ 42N
- backfilled 42N and clean up.

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

(ED) US ARMY CORP — 91D — inspected excavation's final prep for pave — questions about compaction

(ED) US Army corp
(RICK) US BRAC
(MIRZA) US BRAC
(Bayonne - ENV. H&S) Rick
} 42N - excavation and sampling — inspected excavation and pump out of product.

Told to remove tank and backfill excavation.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

Sampling performed - waiting for analysis

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

Comments regarding compaction @ 42N by US ARMY CORP rep — Ed. Arnl. wanted pea gravel to be compacted with Jumping Jack in ~~[illegible]~~ excavation of 42N. due to RR track undermined — excavation was backfilled w/ pea gravel — and tamped with buck to GW level. 3/4" applied in 1.5 to 1.5 foot lifts and tamped w/ bucket to 4'. 3/4" was the applied in 1' lifts to 1.5' above grade and leveled and compacted with Jumping Jack. last foot was compacted with Jumping Jack — hand [illegible] compacted — RR tracks were hand filled & compacted

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A - with exception to compaction of pea gravel and DGA -

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H & S meeting
- NO injuries during the performance of today's work.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

Bayone - Rick - } Army Corp - Ed - } Final inspection of 42N - excavation - told to backfill
Mirza - Brad
Rick - Brad - } pump out of 42N
Rick - Bayone } and final of excavation

Army Corp Ed - Final of backfilling 42N and compaction to grade.

SIGNATURE _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: MILITARY OCEAN TERMINAL
Site Name: MOTBY
Site Address: MOTBY, 821 Bldg
OAKLAND NJ
Client Contact: BRIAN JACKSON

Date: 7/20/00
Apex Staff: JEE Lockwood
Title: Super/QAQC
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- H&S meeting 7:00 - 7:15
- Prep to pave 91D - SAW CUT EXCAVATION and backfill w/ DGA(QP) 1/OR CR6
- Pump truck removed 1200 gallon ± c/water from 42N
- Vac Truck pumped sludges from 42N, 229H, 229J 234A, 254 and 4 Conaults (211A, 91S, etc.)
- Wrecker showed up @ 10:00 - moved conaults and placed on trailer + boom truck
- Clean up 42N, load concrete/asphalt into dumpster
- Completed compaction @ 91D
- Began excavation @ 42N - 2500 gallon UST
- Tank removed @ 42N, obtained samples inspected by Army Corp (Ed) - told to backfill
- Big one ENV. Health Spec. (Rick) on-site to observe.
- No sheen, odors or discoloration, No elevated PID reading
- Backfilled with Pea gravel from excavation, 3/4" clean fill and topped with DGA (CR6)

Ed 7:00 - 1:30 pm -
Dave 7:00 - 6:00
Brent 7:00 - 6:00
JOEL 7:00 - 7:00

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/20/00

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289749

GENERATOR/LOCATION

SALES ORDER # 91254

NAME

INFORMATION/ATTENTION LINE Military Ocean Terminal

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS 4-169

CITY Bayonne STATE ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN

TIME OUT 8:30

BILL TO (IF DIFFERENT FROM LOCATION)

NAME APEX Environmental

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS 15850 Crabbs Branch Way

CITY Rockville STATE MD ZIP 20855

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER NON HAZ 31870

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 Scott

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40501	OILY WATER DISPOSAL	LD72	1,250 G.K.				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
[illegible]01	DRUM DISPOSAL						
[illegible]4	TANK ENTRY						
[illegible]0	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
					TOTAL		

CUSTOMER SERVICED EVERY 30 DAYS ☑

CONDITIONALLY EXEMPT 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

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. INITIAL

$

PAYMENT RECEIVED SECTION

CASH	TOTAL RECEIVED
CHECK NUMBER	

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Generator certifies that the waste is ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required [illegible] to accept the above described waste.

Joe Lockwood for Army Corp.

Print Name Title

Signature Date

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS N/A PPM

In accordance with NJAC 7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name

Signature 7-20-00 Date

LORCO REPRESENTATIVE

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7 20 19 00

TO: JCE
Army Base

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289749

GENERATOR/LOCATION

SALES ORDER # 91254

NAME: Military Ocean Terminal

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: 4-169

CITY: Bayonne STATE ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN

TIME OUT: 8:30

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX Environmental

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: 15850 Crabbs Branch Way

CITY: Rockville STATE: MD ZIP: 20855

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER: NON HAZ 31870

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: Scallon

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40501	OILY WATER DISPOSAL	LM72	1200GAL				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
[illegible]01	DRUM DISPOSAL						
[illegible]4	TANK ENTRY						
[illegible]00	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
					TOTAL		

CUSTOMER SERVICED EVERY 30 DAYS ☑

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

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GENERATOR'S SIGNATURE

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CASH	TOTAL RECEIVED
CHECK NUMBER	

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Generator certifies that the waste is ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required [illegible] to accept the above described waste.

Joe Cockwood for Army Corp.

Print Name

Title

Signature

Date

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS N/A PPM

In accordance with NJAC 7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities

Print Name

Signature

7-20-00

Date

LORCO REPRESENTATIVE

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
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FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

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STANDARD COLLECTION ORDER FORM

289749

SALES ORDER # 91254

GENERATOR/LOCATION

NAME: Military Ocean Terminal
INFORMATION/ATTENTION LINE
ACCOUNT APPROVAL CODE
DELIVERY ADDRESS: 4-169
CITY: Bayonne
STATE
ZIP
PHONE NUMBER
PURCHASE ORDER NUMBER
TIME IN
TIME OUT: 8:30

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX Environmental
INFORMATION/ATTENTION LINE
ACCOUNT APPROVAL CODE
DELIVERY ADDRESS: 15850 Crabbs Branch Way
CITY: Rockville
STATE: MD
ZIP: 20855
PHONE NUMBER
PURCHASE ORDER NUMBER

MANIFEST NUMBER: NON HW 31870

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Joe Lockwood for Army Corp.
Print Name
Title
Signature
Date
GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS N/A PPM

In accordance with NJAC 7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities

Print Name
Signature
7-20-07
Date
LORCO REPRESENTATIVE

Lorco Petroleum Services
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Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

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STANDARD COLLECTION ORDER FORM

289749

GENERATOR/LOCATION

SALES ORDER # 91254

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CITY: Bayonne STATE ZIP
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For [illegible] accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required [illegible] to accept the above described waste.

Joe Lockwood for Army Corp.
Print Name Title

Signature Date

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS N/A PPM

In accordance with NJAC 7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name

Signature 7-20-00 Date

LORCO REPRESENTATIVE

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

287328

GENERATOR/LOCATION

SALES ORDER #

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: RT 169 South

CITY: BAYONNE

STATE

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN: 9:40

TIME OUT: 2:00

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX ENV

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS

CITY

STATE

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER

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40300	ANTI-FREEZE REMOVAL						
40501	OILY WATER DISPOSAL						
40502	SLUDGE DISPOSAL	TD72	179	GALLONS			
41001	GASOLINE/WATER						
[illegible]01	DRUM DISPOSAL		229H, 229J, CO Res,				
[illegible]	TANK ENTRY		82TOC, Drum, 42N				
40600	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
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In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required [illegible]s to accept the above described waste.

Joe Lockwood for Army Corp.

Print Name

Title

Signature

7-20-00

Date

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name

Signature

7-20-00

Date

LORCO REPRESENTATIVE

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way
	Rockville, MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY / Bldg 8211, Bayonne DATE: 7/21/00
CONTRACT NUMBER: _____ REPORT NO. MOTBY - 010

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Backhoe 510 JD	1
Foreman	1	Backhoe 510 JD w/ Hammer	1
Supt / QAQC	1	utility Truck	1
		pick up	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	7	28

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
N/A

WEATHER: clear turning overcast and dry - 80°F SITE CONDITIONS: clear/sunny

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today (List By Definable Features of Work) – see daily log for more detail –

– Finish prep to pour @ 42N
– Began 254-6BU excavation
– cleaned site for weekend –

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

USArmy Corp – Ed – 42N final inspection – talk regarding compaction of pea gravel, 3/4" clean and DGA vs. fill dirt, sand etc.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

NONE

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting
- No job injuries during the performance of today's work.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

Bayonet/US Army - Doreen -
. Some stone was on road - Approx. 3 shovel fulls which fell from backhoe - was immediately cleared by crew - No comments to super subsequent to clearing - Informed Doreen - of cleanup verbally.

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS. EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.®
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US ARMY CORP
Site Name: MILITARY OCEAN TERMINAL
Site Address: 87/1 Bldg, MOTBY
BAYONNE, N.J
Client Contact: BRIAN JACKSON

Date: 7/21/00
Apex Staff: JOE L
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- Health and Safety Meeting –
- SAW cut 42 N – prep for pave
- Remove asphalt to 91D staggering area
- swept and taped off 42N –
- ORDERED Dump from HERTZ
- Remove 2 LOADS of Concrete and replace
- Boom Truck removed by Hertz
- Cleaned up and taped off – 91D
- Began wall demo @ 254 (GBV)
- EXCAVATED to tank
- Stabilized excavation – left site

Ed – 6 – 1
Dave – 6 – 1
Brent – 6 – 1
Joe L – 6 – 4

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J. L. Date: 7/21/00

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

_____ 19 ____

TO: _____

_____

_____

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER:

Authorized Signature _____

Re: _____

CONTAINER SERVICE _____

SURCHARGE _____

TOTAL _____

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Bayonne
Site Address: N J

Client Contact:

Date: 7-22-00 Friday
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events: Notified at 6:00 Drained pipe cut old lines out 6:00 on sight. had Brent saw cut around escavation at 42 N about 3" deep. I broke the asphault up Let Brent Load into Bucket and haul 40 91 N to stake pile. I took the 510 Backhoe to 254 GBL Began to remove pea gravel and uncover the 2 6,000 gl TANKS

After Brent completed at 42 N he took saw Back. and cleaned up around that sight Dave Loaded 40 yard dumpster at 91 N. after it was returned empty.

I exsposed the 6,000 gl tank at 254. Cleaned up at 12:30 to leave for Md

Ed 8. , 5 paper work
Dave 8
Brent 8.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: 7-22-00

7/24 → 7/29

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

PROJECTED

[redacted] PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY - Bldg 82/1
Bayonne, N.J
Client Contact: BRIAN JACKSON

Date: 7/24/00
Apex Staff: JOE COCKWOOD
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of [redacted] Events: to be performed

Monday 7/24/00 • Collect Covanta remains (vent etc) stockpile pending disposal
• hammer 254 GBV wells and remove
• remove 2 - 6000 Gallon tanks - sample and rough backfill to grade
• hammer out 82 TOC

Tuesday 7/25/00 Remove 100 tons from 254, load excavation with plastic and backfill to grade
Stockpile soil - cover with plastic
begin work on 82 TOC

Wed 7/26/00 Remove UST @ 229 J and sample and backfill
Remove UST @ 229 H and sample and backfill
Order single axle from Hertz

Thursday 7/27/00 Remove UST @ 82 (TIC), sample and backfill. Prep for paving
move stone from 2/2 N.

Friday 7/28/00 Remove UST @ 228 A (Residence)
Sample & backfill.
Stabilize site for weekend

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/24/00

7/24 → 7/29

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

PROJECTED ~~DAILY~~ PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY - Bldg 82/1
Bayonne, N.J
Client Contact: BRIAN JACKSON

Date: 7/24/00
Apex Staff: JOE [illegible]
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of ~~Daily~~ Events: to be performed

Monday 7/24/00 • Collect Convault remains (vent etc) stockpile
pending disposal
• hammer 254 GSV walls and remove
• remove 2-6000 Gallon tanks - sample and rough
backfill to grade
• hammer out 82 TOC

Tuesday 7/25/00 Remove 100 tons from 254, bag excavation
with plastic and backfill to grade
Stockpile soil - cover with plastic
begin work on 82 TOC

Wed 7/26/00 Remove UST @ 229 J and sample and backfill
Remove UST @ 229 H and sample and backfill
Order single axle from Hertz

Thursday 7/27/00 Remove UST @ 82 (TOC), sample and
backfill, Prep for paving
move stone from 212 N.

Friday 7/28/00 Remove UST @ 228A (Residence)
Sample & backfill.
Stabilize site for weekend

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: [signature] Date: 7/24/00

Apex environmental, inc.®
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US ARMY CORP
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY, Bldg 82/1
Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/24/00
Apex Staff: JOE L.
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- Daily health and safety meeting
- Work began @ 754 (GBV) - Removed 2 - 6000 gallon UST,
- Graded area to provide interior access to walls with 510 JD w/ hammer.
- Broke down 3 of 4 walls - removed and placed into 20 yd. Dumpster -
- Due to potential rain forecasted did not remove soils so that a potential mess could be avoided.
- Moved to 229 S - Removed over burden
- Removed 1000 gallon UST and associated equipment, removed 8 tons of cont. Soil
- Obtained samples subsequent to USAC inspection of excavation (EA)
- Concerns about piping overhang.
- backfilled excavation with over burden in layers
- Moved 8 tons of material (contam soil) from 229 S to staging area.
- Demobilized for day.

SL - 7-6:30 (-30 min/inch) = 11
Brent - 11
Dave - 11
JOE L - 7-6:30

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/24/00

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD.
Phone Number:	301 - 417 - 0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERM, NAE

LOCATION: MOTBY, Bldg 52/1, Bayonne, N.J. DATE: 7/24/00

CONTRACT NUMBER: _____ REPORT NO. MCTBY - 011

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
- Laborer	2	510 JD Backhoe	1
- Foreman	1	510 JD Backhoe w/ hammer	1
} QA/QC / Super	1	utility Vehicle	1
} Geologist		pick up	1

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	11	44

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
N/A

WEATHER: overcast 75°F SITE CONDITIONS: clear → overcast

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED for more detail
Removed 2 - 6000 gallon UST
Demo walls @ 254 GBU
Remove 1 - 1000 gallon UST @ 229 J
Sample, backfill

PREPARATORY INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

City of Bayonne - Rich. - Stopped by to look @ 2-6000 gallon UST's - took pictures of tanks and excavation

US Army Corp. Rep - ED - observed removal of 2-6000 gallon UST's and 1-1000 gallon UST.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

Sampled 1-1000 gallon UST @ 229 J for TPH (418.1) with pending VOA + 10 + x (826). Results are expected to be high w/ petroleum contamination - No hard results for approx. 3 weeks.

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES:

N/A

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting @ beginning of work day.
- No injuries or job related accidents occured today.

INITIAL INSPECTION :

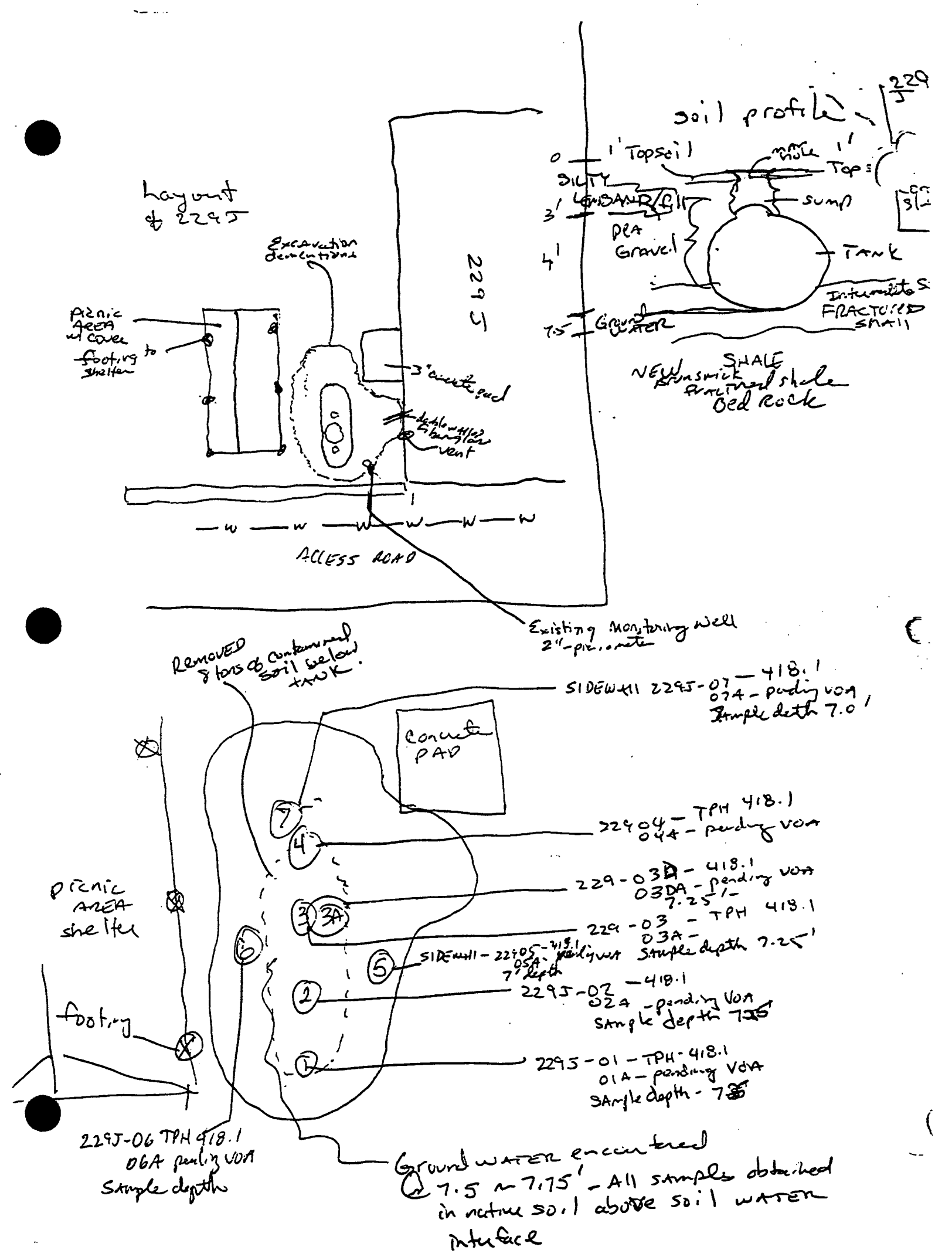
LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND/OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

US Army Corp Rep - (Ed) Inspected all phases of work performed today with no corrective actions or comments noted.

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE



Layout of 229J
Excavation dimensions
Picnic AREA w/ cover
footing to shelter
3" concrete pad
double walled fiberglass vent
229J
ACCESS ROAD
Existing Monitoring Well 2"-piezometer
soil profile
229 J
0
1' Topsoil
SILTY LEMBAND/fill
3'
PEA Gravel
4'
7.5
Ground WATER
Top
sump
TANK
Intermediate S
FRACTURED SHALE
SHALE
NEW Brunswick fractured shale Bed Rock
Removed 8 tons of contaminated soil below TANK.
SIDEWALL 229J-07 — 418.1
07A - pending VOA
Sample depth 7.0'
Concrete PAD
7
4
3
3A
6
5
2
1
22904 — TPH 418.1
04A - pending VOA
229-03D - 418.1
03DA - pending VOA
7.25'
229-03 - TPH 418.1
03A -
Sample depth 7.25'
SIDEWALL - 22905 - 418.1
05A - pending VOA
7' depth
229J-02 — 418.1
02A - pending VOA
Sample depth 7.25
229J-01 - TPH - 418.1
01A - pending VOA
Sample depth - 7.25
picnic AREA shelter
footing
229J-06 TPH 418.1
06A pending VOA
Sample depth
Ground WATER encountered @ 7.5 ~ 7.75' - All samples obtained in native soil above soil WATER interface

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Bayonne ~~[illegible]~~ N.J.
Site Address: N.J.

Client Contact:

Date: 7-24-00 MON.
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352-013
Client Phone:

Summary of Daily Events:

7:00 met on Job with Joe L. had safety meeting. Begain Removing fence. Dug out the first 6,000 gl. tank set on plastic. 10:00 Removed second tank continued to break wall 8" thick and cutting rebarr. put concret into 40 yd dumpster. While dave was breaking out the concret above grade vault me and Job Removed the 1,000 229 Building And Removed it. set over a staging area. Joe took samples. I Removed 8 tons of contaminated soil and put at the staging area. Begain Backfilling 229 in Lifts. cut vent pipe and removed old suction and Return Lines. Completed Backfilling within 8" - 12" of oringinal grade. to put top soil in Latter.

Clean up sight

Ed 11.5 paper work
Dave 11
Brent 11

510
Ram Joe

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: 7-24-00

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 32/1, Bayonne, N.J. DATE: 7/26/00
CONTRACT NUMBER: REPORT NO. MOTBY-013

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	510 JD Backhoe	1
Foreman	1	utility truck	1
Superintendent	1	pick up	1
		dump truck	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A
TOTALS			

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4		

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Overcast - Rain all day 65°F SITE CONDITIONS: wet

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

see daily log -
- moved concrete to staging area - w/ dumptruck -
- RAN out -
- cleaned up area to grade -

PREPARATORY INSPECTION.

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

N/A - RAN out

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A -

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting.
- No job related injuries &/or health & safety issues.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION
COMMENTS AND/OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN

- Ed - US Army Corp - No comments or questions related to on-site activities for today -

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
Bldg 82/1, Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/26/00
Apex Staff: JOE L
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- 15 min H&S meeting @ 700am -
- Overcast / Raining heavily all day -
- Moved 250 gallon AGST from 42/1 to canopy @ 229J /
- Cut open, cleaned tank - was going to be utilized on-site for dust - however will use daily 5 gallon containers.
- Backfilled 229H to grade with overburden and peagravel. compacted with Jumping Jack @ 1-1.5' lifts -
- pulled concrete from 254 GBV - stockpiled
- 12:30 called day due to rain
- Dump truck delivered by HERTZ

Ed - 5.5
Dave - 5.5
Brett - 5.5
JOE L - 5.5

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/26/00

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, Bldg 52/1, Bayonne, N.J DATE: 1/27/00
CONTRACT NUMBER: _____ REPORT NO. - 014

SUPERINTENDENT: JOE Colcwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe 510 JD	1
Foreman	1	utility Vehicle	1
S-plant / QA/QC	1	Pick up	1
		Dump truck	1

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	- -	

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Overcast - intermittent RAIN showers SITE CONDITIONS: open/clear wet

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES. EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

- see daily log for additional information
- Remove 1000 gallon UST @ 82(TOC) - sample & backfill
- Remove 1000 gallon UST @ 234A - Sample &, backfill
- Remove 50 gallon o/w sep @ 72A - sample &, backfill

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Ed - US Army Corp. 9:00 inspected 82TOC excavation - tkd ok to backfill.
-

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

olfactory, Visual and PID readings taken during removal activities @ 234A, 82(TOC), and 72A.

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting
- NO Job related injuries or concerns during the performace of todays work.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- ED - US Army Corp - 9:00 - Excavation inspected
- 82 TOC - Sheen on water - 8 tons removed & Stockpiled.
- Removal @ 72A - performed by ED - USACE
- removal @ 2344 - performed by ED - USACE

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
Bldg 82/1, Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/27/00
Apex Staff: JOE Lockwood
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- 15 minute H&S meeting 600 on-site
- 620-675 saw cut 229J
- Removed 1000 GALLON UST @ 82TOC
- Sampled subsequent to screening with PID and visual - Tank staged @ 91D area.
- Removed 8 ton of soil - into dump and moved to staggering area - covered with plastic
- Subsequent to inspection by Ed - USAC rep - backfilled excavation to grade, area saw cut and prepped for paving.
- Moved to 234A - Removed tank - unknown pad below grass cover - removed - avoided phone, water & electric lines no damage.
- Screened soil (visual, PID, olfactory), obtained samples for analysis
- Tank removed and staged @ 254 staggering area
- Removed o/w separator @ 72A. Inspected by Ed - USAC rep - removed approximately 1/2 ton of visually contam soil - moved o/w separator to 254 staggering area.
- Backfilled 72A w/ 3/4" stone (1/2 ton)
- Did not backfill 234A - due to no USAC inspection

Ed - "
Dave - "
Brett - "
Joel - "

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/27/00

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 82/1, Bayonne, N.J DATE: 7/28/00
CONTRACT NUMBER: _____ REPORT NO. MOTBY-015

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe 510 JD	1
Foreman	1	Utility Vehicle	1
Superintendent/QA/QC	1	Dump Truck	1
		pickup	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

N/A

WEATHER: overcast - 70°F SITE CONDITIONS: clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES. EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE Daily Log Sheet attached for more detail

- Completed backfill @ 234A to grade -
- cleaned affected area -
- LOADED concrete
- Cleanup and stabilized for weekend

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

ED - USAC Rep - Inspection of 234A -

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting -
- No Job related incidents or injuries during todays activities

INITIAL INSPECTION

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

EL - USACE rep - inspected 234A - No comments or questions were noted

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corps.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY, Bldg 821
Bayonne, N.J.
Client Contact: Brian Jackson

Date: 7/28/02
Apex Staff: JE Lockwood
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- 600 - on-site ~~Health~~ & safety meeting (15 min)
- Completed backfilling @ 234A -
- Installed 2 truck loads ≈ 45 ton of aggregate from staging area to bring to grade.
- Rough grade - will restore next week
- Sent Brett to Rockdale for materials and dump samples to Travis -
- Completed grade of 234A by hand, swept area
- LOADED 20 yd dumpster with concrete
- arranged for 20 yd dumpster pickup
- arranged for asphalt and topsoil delivery next week -
- Meeting w/ ED USAC Rep regarding backfill allocation and quantities.

EL - 8
Dug - 8
Brat - 8
Total: 8

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J-Glad Date: 7/28/02

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville, MD
Phone Number:	301 - 417 - 0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: Military Ocean Terminal
LOCATION: MOTBY, 82/1, Bayonne, NJ DATE: 7/31/00
CONTRACT NUMBER: _____ REPORT NO. MOTBY - 016

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Labor	2	Backhoe	1
Foreman	1	Utility Veh.	1
Superintendent/QA/QC	1	Dump Truck	1
		pick up	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: 80° Clear/Overcast SITE CONDITIONS: Open/clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? ~~NO~~ IF YES, EXPLAIN. - Discovery of 1-10 gallon AST @ Bldg 42

Description of All Work Performed Today
(List By Definable Features of Work)

SEE daily log for addition description.
- removed Approx - 100 tons of soil & stockpiled @ 254
- Concrete Holes @ 910 - pump ISland

PREPARATORY INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Brian Jackson - USAC Rep - inspected 254 excavation
- Rich - Bayonne - found another tank @ 42 - inspected area with Bill Jackson

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS) N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES:

- NONE

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meetng -
- No Job related injuries or accidents.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

Brian Jackson - Inspected excavation @ 254 GBV - observed post-x sampling. Also inspected pump isbards filled with concrete @ 910.

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USAC
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY Bldg 82/1
Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/31/00
Apex Staff: J. Lockwood
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- H & S safety Meeting (15 min)
- Excavation @ 254 GBV - Wall Removal continued
- Disposed off-site 3-2500 gallon - GTS
  1 - 21500 gallon - Heating Oil
  Tri State Salvage & Trucking - Chambersburg, P.A.
- Removed Approximately 100 tons of Soil impacted w/ Petroleum @ 254 Stockpiled on Plastic pending disposal
- Filled pump holes w/ cement @ 910
- New UST @ bldg 42
- Obtained Approx 20 samples (Post-ex) @ 254 GBV - 1

- 2 - 8 hrs
  Dave -
  Brett -
  Kizer - V

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J. Hunt Date: 7/31/00

Tri-State Salvage & Trucking

3710 Horst Lane
CHAMBERSBURG, PA 17201-9131
717-261-0504

EPA#.PAR000010991

TRANSFER OF RESPONSIBILITY
CERTIFICATE OF STORAGE TANK DISPOSAL

DATE 7-31-00

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks **ARE NOT:**

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

3 2500	Gallon tank	Former Contents	Gasoline
1 2500	Gallon tank	Former Contents	Heating Oil
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	

Owner Location

Contractor
Name: Apex Enviromental

Name: Bayonne military Terminal

Address:

Bayonne N. J.

Signature: Ed Keogh

Date: 7-31-00

Salvage Facility Location

Name: **Tri-State Salvage & Trucking**

Address: **11748 Punchbowl Road,**

Mercersburg, PA 17236

Signature: Curtis Weaver

Date: 7-31-00

2394

7/31/00

0700 on site R. Jones (CH) Dave , Brett
Cd ,
Continued work of Bid 254. Excavation
of Retaining walls & stone.

1030 Trucks arrived to remove USTs for disposal
1045 Kiser on-deck
cont loading tanks

1100 Met with Brian Jackson & update project
news.
1120 go back to Bid 254 Cont excavation

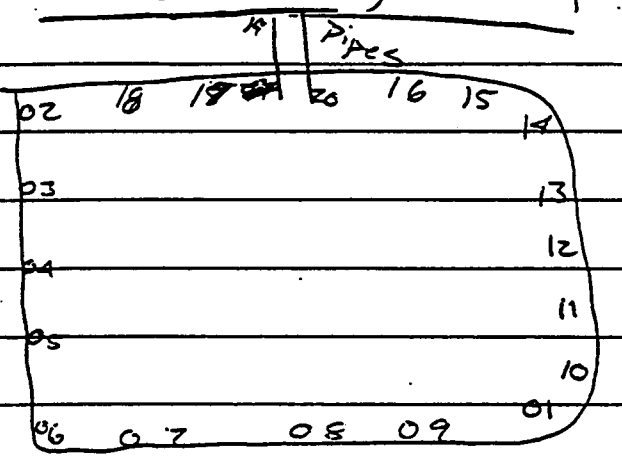
1400 cement ~~holes~~ holes at gas station where
Pumps were

1430 Bkiser, B. Jackson etc look at newly discovered
AST in Bld 42. Need new Quote for

1500 Apex Md off site ,
1530 Apex NJ off site.

Bld 254

hole was a 5-sided vault (no top) cement bottom was removed, sampled sidwalls



Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

July 31, 00

Client: USACE
Site Name: MOTBY
Site Address: Bayonne New Jersey
Client Contact:

Date: ~~Aug 1 00~~ MON
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight Joe was off today he had Bill Fill in to take samples at 254 GBU we took out 100 TONS of CONTAMINATED soil, put on plastic and covered up. 9:00 TRI STATE come out for TANKS. we loaded up the three (3) 2,500 gl. UST from 910, hauled the one 1000 gl From #52 to Staging area at 254 GBU parking Lot. Brett took 3 Bags over to 910 to Secure the holes where the pump dispensers where. After Lunch used dump truck to haul BACKFILL MATERIAL BACT to TANK hole at 254 GBU to replace the TANK VOID'S and the 100 TONS that where removed due to CONTAMINATION.

Ed 8
Dave 8
Brett 8

equ. Mack Dump-Truck 510,

NOTE: called here to REPAIR Left Rear tire that has A Leak

Top Soil set up for 8:00 Tuesday morning.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 1-00 mon

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville, MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 82/1, Bayonne, N.J. DATE: 8-1-00
CONTRACT NUMBER: REPORT NO. MOTBY-017

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	3	Backhoe	1
Foreman	1	utility Vehicle	1
Super/QAQC	1	pickup	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
5	8	40

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Overcast/rain 78°F SITE CONDITIONS: overcast

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? No
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED FOR MORE DETAIL

- Backfilled 254 GOV
- Topsoil delivered, Topsoil seed & plant -
- removed electrical from 229 H & J

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Inspection performed by Ed - USAC Rep -
- Inspected Top soil @ 229 H & J

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting
- No Job related H&S issues noted,
  No Job related injuries or illnesses

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- EQ- USAC Rep - Inspected 254 GRSV
  - 229 H & J

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: BAYONNE NEW JERSEY

Client Contact:

Date: ~~Aug 2-00~~ Aug 1, 00 Tues
Apex Staff: Ed Bleigh
Title: FOREMAN
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

ABOR
ick 4
ave 8
d 8
rentt 8

7:00 on sight #254 GBU completed BACKFILLING with pea gravel that we took off of the top of ESCAVATION while removing the (2) 6,000 gl tanks. held grade 6" below grade for top soil, Joe had spoken to travis Black LAST night about the account at DURABALL MATERIAL. Joe called the disphater to make sure the top soil was coming. Joe was told from the dispatcher that he was awaiting a fax from Apex to show proff of check.

8:00 Loaded small sections of pipe and other steal into dumpster that was Returned empty at 7:00.

8:30 Herte Repaired tire on Backhoe 510 with plug. one at Rear one in the Front. 9:00 used Backhoe to load up the tanks that where cut up into dumpster

equipment
Dump TRK
510.
10 yrd
dumpster

11:30 sent Brentt to pick up Lunch, while dave and I used Dump truck to carrie over #3/4 stone to 229 H - 229. held to 6" from grade. 12:00 Rick K. on sight, he went out to get A Battery for the TRIALOR. 1:00 Top soil on sight Rick and Brentt work on Removing the inside pipeing and Alarm systems at 229 H - 229 - 234 A Joe Dave and myself hauled top soil to 229 with dump truck. installed top soil, compated with plate tamper. RACKed OUT And seeded put STRAW down so we could save the curlex for 254 GBU. ~~[illegible]~~ NOTE: TOP Soil was NOT SIFTED. had to RACK out ROCKS And Roots. 3:30 Asphault is not coming on wend. due to the acet. not yet set up.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh [signature] Date: Aug 2-00

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224

410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Env, Inc

Contact: Travis Black

Phone No. 301 417 0200

FAX No. 301 417 0169

Sample Site/Project MOTBY

Sampler/MDOE # ___

Client's P.O. # ___

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ___ (TIME) ___ (DAY) ___ (DATE)

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS
	SO	Bld 254 000731-10	31 July	1315		X	1
		000731-10A		1318			1
		000731-11		1324			1
		000731-11A		1314			1
		000731-12		1335			1
		000731-12A		1335			1
		000731-13		1340			1
		000731-13A		1340			1
		000731-14		1342			1
		000731-14A		1342			1
						Total Number of Containers	10

TESTS REQUIRED: TPHC (418.1) * VOC+10+Xe (8260) * Run 25% of highest (conc) of TPH (>1000 ppm) for VOC - if ft. A...

COMMENTS (i.e. methods, detection limits, etc.)

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time
W.M. Kay	W.M. Kay 1 Aug Apex	

Received By (signature)	Printed Name/Affiliation	Date/Time

* May Req... harge

WHITE COPY - LAB YELLOW - REPORT PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 5.2000

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Env. Inc
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ____ (TIME) ____ (DAY) ____ (DATE)

LAB USE ONLY → LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	Bld 254 SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC (418.1) *	VO+10+Xe (8260)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-05	July 31st	1255		X	1	X		* Run 25% of highest TPHC (1000 ppm) for Voa - Xylene
		000731-05A		1255			1		X	*
		000731-06		1300			1	X		
		000731-06A		1300			1		X	*
		000731-07		1310			1	X		
		000731-07A		1310			1		X	*
		000731-08		1313			1	X		
		000731-08A		1313			1		X	*
		000731-09		1315			1	X		
	✓	000731-09A	↓	1315		↓	1		X	*
							Total Number of Containers	10		

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
W.M. Voy	W. Boyer / Aug 1				
Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:

* May Requ harge

WHITE COPY - LAB YELLOW - REPORT PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 5.2000

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

USE ONLY
Report #
Temp. Blk
Cooler #
PUC #

Test Results to:

Company: Apex Envi, Inc
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TESTS REQUIRED: TPHC (418.1)	* VOA+10+Xe (602)	Run 25% of highest count TTH (1200 Rate Verbal	COMMENTS (i.e. methods, detection limits, etc.)
	SO	BD 254	31Jul 2000	1315		X	1	X			
		000731-15		1315			1		X	*	
		000731-15A		1315			1		X	*	
		000731-16		1350			1	X			
		000731-16A		1350			1		X	*	
		000731-17		1355			1	X			
		000731-17A		1355			1		X	*	
		000731-18		1356			1	X			
		000731-18A		1356			1		X	*	
		000731-19		1400			1	X			
		000731-19A		1400			1		X	*	
							Total Number of Containers	10			

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation	Date/Time
Will Vinj	W. Kincaid 1 Pkg Apex	-			

* May Req... charge

WHITE COPY - LAB YELLOW - REPORT PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 5.2000

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Repor...
Temp: ...
Cooler # ...
PUC # ...

Test Results to:

Company: Apex Env., Inc
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project HUTRX
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ____ (TIME) ____ (DAY) ____ (DATE)

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TESTS REQUIRED: TPHC (418.1)	TPHC (8015) + 10 (8260)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-20	3/31/00	1415		X	1	X	X	Run TCLP on highest count TPHC (8015) — use Acetone - use Bottle
		000731-20A		1415			1		X	

Total Number of Containers 2

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation	Date/Time
[signature]	W.K. Lee / Apex CO				

501 5.2000

* May Req... charge

WHITE COPY - LAB YELLOW - REPORT PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY

Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: Apex Environmental, Inc
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

Building 254

LAB USE ONLY / LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH (418.1)	*VOA + 10 + Xe (8260)							COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-01 Bld 254	July 31/00	1230		X	1	X								
		000731-01A		1230			1		X							*
		000731-02		1235			1	X	\							
		000731-02A		1235			1		X							*
		000731-02B		1240			1	X								
		000731-02BA		1240			1		X							*
		000731-03		1245			1	X								
		000731-03A		1245			1		X							*
		000731-04		1250			1	X								
		000731-04A		1250			1		X							*

* Run 25% of highest count of TPH (> 1000 PPM) for VOA - After Verbal Auth

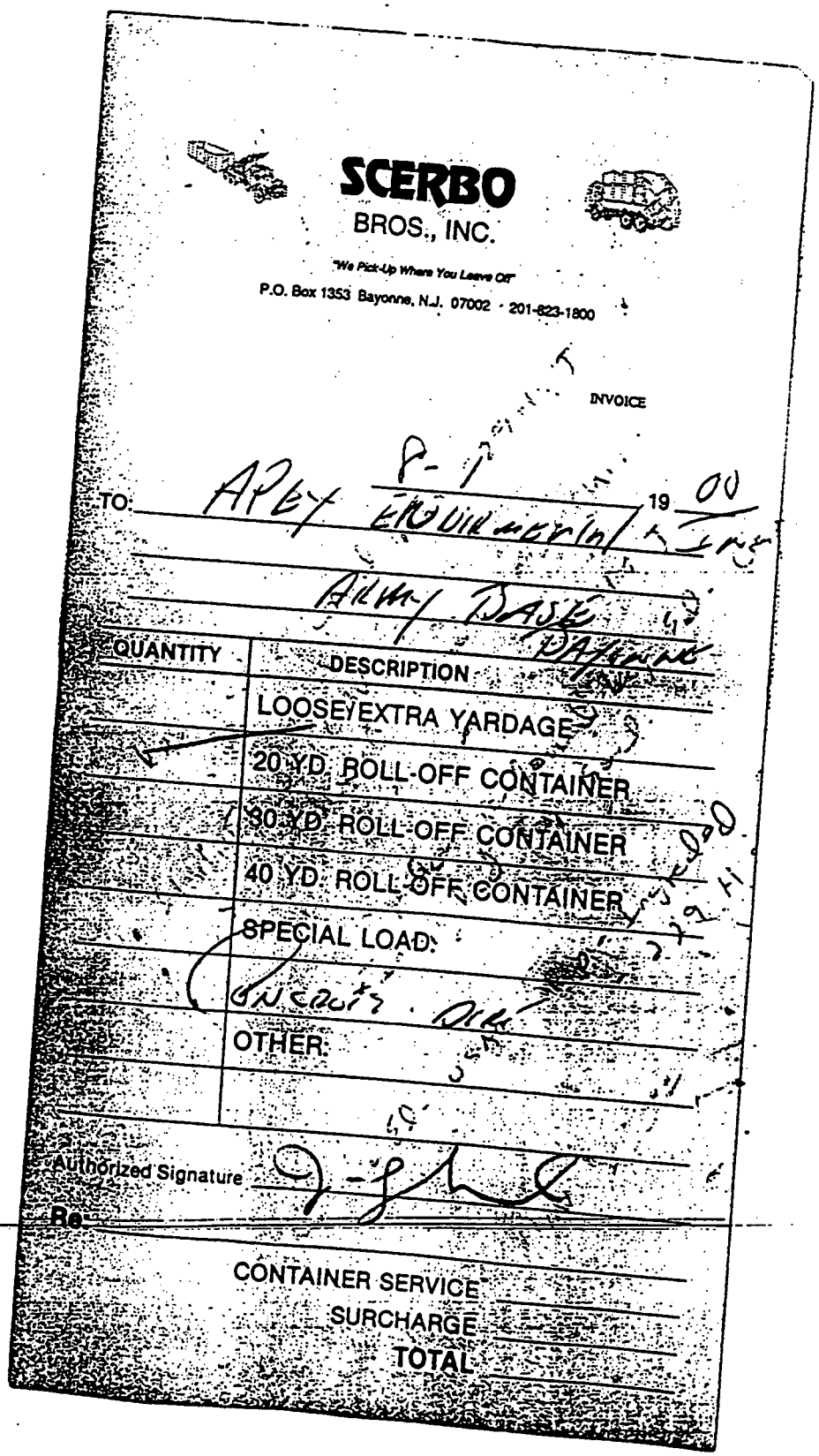
Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
WM Ky	W. Kiser Aug 1				

* May Requ... harge

WHITE COPY - LAB YELLOW - REPORT ... PINK - CLIENT SAMPLE SUBMITTAL RECEIPT



SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 · 201-823-1800

INVOICE

TO: APEX ENVIRONMENTAL 8-1 19 00

ARMY BASE BAYONNE

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	Concrete Dirt
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

BAYONNE
DURABLE
CONSTRUCTION CORP.
437-0703

TRUCK 9

RECYCLABLE MATERIALS RECEIPT AND SPECIFICATION SHEET
Aggregate Recycling Facility

P.O. Box 1009 160 East 22nd Street
Bayonne, NJ 07002

MUNICIPALITY OF ORIGIN AND COUNTY: BAYONNE

TIME	OUR ORDER NO.	TICKET NO.
		76571

VEHICLE LICENSE NUMBER	NJ DEP REGISTRATION (If applicable)
XW29CC	

GROSS TONS	TARE TONS	NET TONS	WEIGHED BY

MATERIAL DESCRIPTION: DELIVER TOPSOIL 20 YDS @ $10

CUSTOMER: APEX ENVIRONMENTAL M.O.T. BAYONNE

DRIVER NAME	SIGNATURE	INSPECTED BY	DATE
JOHN	[signature]	JOHN	8/1/2011

NOTICE: Vehicles delivering materials to the recycling center will be inspected and, if found to contain more than allowable amounts of contaminants will be barred from offloading vehicle payload. Only recyclable materials for which the recycling center has obtained general approval to receive, store, process or transfer will be accepted. THE RECYCLING CENTER IS APPROVED TO RECEIVE CONCRETE, BRICK, CINDER BLOCK, TILE, ASPHALT BASED ROOFING SCRAP, NON-CHEMICALLY TREATED WOOD WASTE, AND TREE PARTS OR STUMPS. I CERTIFY THAT I HAVE DELIVERED THE ABOVE MATERIALS AND THAT THE INFORMATION CONTAINED ON THIS FORM IS TRUE, ACCURATE AND COMPLETE.

White:OFFICE • Yellow:Shipper • Pink:FIELD • Goldenrod:TRUCKER

DURABLE
CONSTRUCTION CORP.
437-0703

TRK#05

RECYCLABLE MATERIALS RECEIPT AND SPECIFICATION SHEET

Aggregate Recycling Facility

P.O. Box 1009 160 East 22nd Street
Bayonne, NJ 07002

MUNICIPALITY OF ORIGIN AND COUNTY
BAYONNE

TIME	OUR ORDER NO.	TICKET NO.
		76570

VEHICLE LICENSE NUMBER	NJ DEP REGISTRATION (If applicable)
XW29CC	

GROSS TONS	TARE TONS	NET TONS	WEIGHED BY

MATERIAL DESCRIPTION: DELIVER TOP SOIL 20YDS TO

CUSTOMER: APEX ENVIROMENTAL M.O.T. BAYONNE

DRIVER NAME	SIGNATURE	INSPECTED BY	DATE
JOHN		JOHN	8/1/2000

NOTICE: Vehicles delivering materials to the recycling center will be inspected and, if found to contain more than allowable amounts of contaminants will be barred from offloading vehicle payload. Only recyclable materials for which the recycling center has obtained general approval to receive, store, process or transfer will be accepted. THE RECYCLING CENTER IS APPROVED TO RECEIVE CONCRETE, BRICK, CINDER BLOCK, TILE, ASPHALT BASED ROOFING SCRAP, NON-CHEMICALLY TREATED WOOD WASTE, AND TREE PARTS OR STUMPS. I CERTIFY THAT I HAVE DELIVERED THE ABOVE MATERIALS AND THAT THE INFORMATION CONTAINED ON THIS FORM IS TRUE, ACCURATE AND COMPLETE.

White:OFFICE • Yellow:Shipper • Pink:FIELD • Goldenrod:TRUCKER

MAINE RUBBER

GOODYEAR

CUSTOMER COPY
CUSTOM BANDAG, INC.

Bridgestone

ELIZABETH, NJ 07206 • (908) 353-8300 • FAX (908) 351-5612
LINDEN, NJ 07036 • (908) 862-2400 • FAX (908) 862-3874
HARRISON, NJ 07029 • (973) 482-2220 • FAX (973) 482-1235
KEYPORT, NJ 07735 • (732) 566-0092 • FAX (732) 566-1778
WHARTON, NJ 07885 • (973) 366-6000 • FAX (973) 366-1727
SECAUCUS, NJ 07094 • (201) 617-9400 • FAX (201) 617-0420

WHEEL REFURBISHING & PAINTING • O.T.R. SERVICE
INDUSTRIAL SOLIDS, FOAM FILLED TIRES
NEW TIRES AND TUBES • ROAD SERVICE • FLEET SURVEYS
COMMERCIAL WHEEL ALIGNMENT AND BALANCING

Industrial Tires
MICHELIN
Cooper TIRES

ECLIPSE

BRIDGES

Firest

REMIT ALL PAYMENTS TO: 401 EAST LINDEN AVENUE, LINDEN, N.J. 07036

CUSTOM BANDAG, INC.
504 Essex Street
Harrison, NJ 07029
(973)482-2220

5-10 31.00 AUG 1 1

P 7
2

SOLD TO: HERTZ EQUIPMENT RENTAL 1/03

SHIP TO: SAME

WORK ORDER
08/01/00

SERVICED BY: FERMIN

PAST DUE ACCOUNTS ARE SUBJECT TO A 2% MONTHLY SERVICE CHARGE.

CUST. P.O.	VEHICLE NO.	PLATE NO.	MILEAGE	TELEPHONE	ROUTE	SLM	LOCATION CODE	ORDER #	PAGE	REMARKS
	222-08-6002 —		1744	(973)589-7540	0	1		329736	1	

INVOICE DATE	INVOICE NUMBER	PREVIOUS SHIPPED INVOICE NUMBER	TERMS	AUTHORIZED BY
			CASH SALE	~~Opened by Operator 1 31~~ 08/01/00 07:14:46 31

STOCK NUMBER	SIZE	DESCRIPTION	QUANTITY			UNIT PRICE	T	F.E.T.	EXTENSION	RET WORD. L:
RS1	7AM-5PM	ROAD SERVICE MON-FRI (1HR MIN)	1	1		.00	00	.00	.00	SERV/MECH
		SERV.TO 169 SOUTH ARMY BASE BAYONNE NJ VEH#222-08-6002								
		***								
~~16587931A~~	~~21L-24 F~~	~~GOODYEAR IT-525 R-4~~	1	1		.00	00	.00	.00	
		***								
PG	THANK YOU FOR	YOUR BUSINESS, PAULO	1	1		.00	00	.00	.00	

1 - 21-24 FLT REPAIR

2 - PLUGS LR

1 - 14.5-75-16 FLT REPAIR

2 - PLUGS LF

MUST RETIGHTEN ALL TRACTOR TRUCK AND TRAILER LUGS AFTER 50 MILES FROM INSTALLATION.

PARTS	LABOR	TAX %	TAXABLE AMOUNT	TAX	F.E.T.	MISC AMOUNT	INVOICE TOTAL
							NOT AN INVOICE 0.00

Contractor's Name: Apex Environmental
Address: 15850 Crabbs Branch Way
Rockville, MD
Phone Number: 301-417-0202

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 22/1, Bayonne, N-J. DATE: 8- -00
CONTRACT NUMBER: REPORT NO. MOTBY-018

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe	1
Foreman	1	utility Vehicle	1
Super/QAQC	1	pickup	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Clear - 75°F SITE CONDITIONS: Open/Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED FOR MORE DETAIL
- Removed pipes & alterns @ 42N, 72A, 254
- Top Soil, seed, & Hay @
- Removed Tanks off site - Tri-State - PA.

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Inspection performed by USAC Rep. - D + Brian Jackson throught the day
- Inspection @ 254 GBU performed by Rich - Bayone

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM CA PERSONNEL AND ACTIONS TAKEN:

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS):

15 minute H&S meeting
No Job-related H&S issues noted,
No Job related injuries or illnesses

INITIAL INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

a Brian Jackson & Ed- USAC Reps Inspected all work performed today

SIGNATURE: _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE: _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: BAYONNE — NEW JERSEY

Client Contact:

Date: Aug 3- 00 Wed.
Apex Staff: Ed Bleigh
Title: Foreman.
Apex Job Number: 10352.003
Client Phone:

Summary of Daily Events:

7:00 on sight, had Rick and Brentt to cont. to remove pipe, Alarms ect. From inside buildings that are needed. While Joe Dave and myself cont. to Backfill 229 H and 234 42 N 72 A 254 GBV. seed straw ecept 234 and 254 GBV, used Burlex and straw. Tri state came out 7:30 Loaded tanks up onto 2 trucks sent out. 10:30, want back to Backfilling Rick and Brentt Filled ows. drain with slory inside Bay Door, working area. Compacted with plate tamper, Rick K. Left around 1:00 he took the Hilti gun Back with him. 1 - 3:30 worked at 254 GBV. Backfilling. Competed Backing at all grass areas Asphault set up at 8:00 Thursday morning Joe had the 5 ton Roller del. at 1:00 pm.

d 8
or 8
ck 5
ntt 8

9.
510
Dump TRK
Roller

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 3-00

Tri-State Salvage & Trucking

3710 Horst Lane
CHAMBERSBURG, PA 17201-9131
717-261-0504

EPA# PAR000010991

TRANSFER OF RESPONSIBILITY
CERTIFICATE OF STORAGE TANK DISPOSAL

DATE 8-2-00

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks **ARE NOT:**

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

2-6000	Gallon tank	Former Contents	#2 Fuel oil
3-1000	Gallon tank	Former Contents	#2 Fuel oil
1-1000	Gallon tank	Former Contents	Diesel
1-100 day Tank	Gallon tank	Former Contents	Diesel
50	Gallon tank	Former Contents	Diesel
50	Gallon tank	Former Contents	oil-water seperator
X	Gallon tank	Former Contents	X
X	Gallon tank	Former Contents	X

Owner Location

Contractor Name: Aepex Environmental

Name: Joe Lockwood

Address: MOTBY, 82/1

Bayonne, N.J.

Signature: J. [illegible]

Date: 8/2/00

Salvage Facility Location

Name: **Tri-State Salvage & Trucking**

Address: **11748 Punchbowl Road,**

Mercersburg, PA 17236

Signature: Gerald A Byers

Date: 8-2-00

2562

Contractor's Name: Apex Environmental
Address: 15850 Crabbs Branch Way
Rockville, MD
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 82/1, Bayonne, NJ-J. DATE: 8--00
CONTRACT NUMBER: REPORT NO. MOTBY-059

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe	1
Foreman	1	utility Vehicle	1
Super/ QAQC	1	pickup	1
		Roller	1

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Clear - 80°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? No
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? ~~NO~~ YES IF YES, EXPLAIN. Removal Authorization for:
42 - 10 gallon tank; 75 gallon O/W separator
45 - 600 gallon UST
42/6 - to remain as is

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED FOR MORE DETAIL

Restoration activities @ 91D - paving -
229H -
82 -
42 -

PREPARATORY INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- El US-AC Rep. - Inspected all Paved areas
- City of Bayonne - Inspected all Paved areas including: 91D, 82, 229H & 42

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES:

N/A

ALL INSTRUCTIONS RECEIVED FROM CA PERSONNEL AND ACTIONS TAKEN:

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS):

- IS minute H&S meeting
- No Job related H&S issues noted,
- No Job related injuries or illnesses

INITIAL INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- EL - USAC Rep - Inspected all work areas before close of day including Restriction activities performed @ 910, 82, 42, and 224 H/

SIGNATURE: _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE: _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mothy
Site Address: Bayonne N.J.

Client Contact:

Date: Aug 3-00 Thursday
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352003
Client Phone:

Summary of Daily Events:

Ed 8
Dave 8
Draft 8
Travis 6

7:00 on sight put more stone at 42 - 82 91 0. 8:00 top soil on sight, TRAVIS on sight at 9:00. STARTED Asphault at 91 0 then 42 - 82 - 229 RAN alittle short sent truck BACK to get 4 ~~yards~~ TONS. to complet 229 and 82 Rolled out with 5 ton Roller. 3:00 drove over to Look at Building #45 550 UST to be removed and oil water separator. in addision to Fill inside drain with slury. clean up sight.

...er
40 yrd
Dumpster

total asphault 66 tons

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 4-00

work continued on Tu[illegible] Travis Back To office
Removed GSTs And placed in staging area. Equipment
due To arrived on wed. Pump out scheduled for wed.
Leigh continued concording.

Convault Cost $556.50
Gene O'Brien is contact.

8/3/00

Asphalt was set up w/ Weldon Asphalt. Need
Approx. 70 Tons To complete Restoration of 4 sites
On site Dave B., Brent B, ED B., Travis B.
Need 2 1/4 Truck loads To complete gas ST. Area.
1/2 Truck To finish Building 42. 1/4 Truck To finish
Building 82. 4 Tons needed for 229 J Area.
Talked To Steve Wood (US Corps Rep from Balt) And
was informed That An agreement was Reached for
additional work.
Work To Be included:
↳ Remove 550-gallon UST
Remove oil/water seperator
drain And cap Lines To 10-gallon wall mounted
Heating oil AST.
NOTE: The AST located @ 42/6 is To Remain
As existing.

Due To needing additional 4 Ton, waited for
Truck To Return. Left site shortly after
4 PM.

oB +
lockwood
1+5 meeting
equipment,
Travis
UT look

rk @

Dave Cry
i-To
To a
son
s

s Took
cord work.

ASPHALT & STONE DISPATCH
888-322-2231
908-322-7840

WELDON ASPHALT CO.

WESTFIELD OFFICE:
908-233-4444

INSPECTOR'S C.
TICKET NO.
WA5 51366

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PLANT LOCATIONS:
- WATCHUNG
- LINDEN
- S. BRUNSWICK
- ROSELAND
- KEARNY
- LAKE HOPATCONG
- ROCKAWAY

PO #:

TRUCKER: 5069 TR4

ARRIVED JOB	LEFT JOB
320	330

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033600 000	I5	TR4	4.00 N	I-5 FABC

GROSS WT: 17.81 TONS
TRK TARE: 13.79 TONS
NET LOAD: 4.02 TONS

LOAD NO.: 4 JOB/PROD TOTAL: 66.62 TONS

Tkt #:174744 Plt ID:LIN 08/03/00 14:39

REC'D BY Ed Bleigh

8040

ASPHALT & STONE DISPATCH
888-322-2231
908-322-7840

WELDON ASPHALT CO.
WESTFIELD OFFICE
908-233-4444

INSPECTOR'S COPY
TICKET NO.
WA5 51356

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

• WATCHUNG
• LINDEN
• S. BRUNSWICK

PLANT LOCATIONS:
• ROSELAND
• KEARNY
• LAKE HOPATCONG
• ROCKAWAY

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	15	TR4	21.00 N	I-5 FABC

TRUCKER	ARRIVED JOB	LEFT JOB
5069 TR4	12 20	2 00

GROSS WT: 34.65 TONS
TRK TARE: 13.79 TONS
NET LOAD: 20.86 TONS

LOAD NO.: 3 JOB/PROD TOTAL: 6[illegible] TONS

Tkt #: 174434 Plt ID:LIN 08/03/00 11:37

REC'D BY Ed Bleich

41720

ASPHALT & STONE DISPATCH
888-322-2231
908-322-7840

WELDON ASPHALT CO.

WESTFIELD OFFICE
908-233-4444

INSPECTOR'S COPY
TICKET NO.
WA5 51356

SOLD TO:

APEX ENVIRONMENTAL INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

PLANT LOCATIONS:
• WATCHUNG • ROSELAND • LAKE HOPATCONG
• LINDEN • KEARNY • ROCKAWAY
• S. BRUNSWICK

TRUCKER	
5069 TR4	
ARRIVED JOB	LEFT JOB
12 20	2 00

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	15	TR4	21.00 N	I-5 FABC

GROSS WT: 34.65 TONS
TRK TARE: 13.79 TONS
NET LOAD: 20.86 TONS

LOAD NO.: 3 JOB/PROD TOTAL: [illegible] TONS

Tkt #: 174434 Plt ID:LIN 08/03/00 11:37

REC'D BY Ed Bl[illegible]

41720

ASPHALT & STONE DISPATCH
888-322-2831
908-322-7840

WELDON ASPHALT CO.

WESTFIELD OFFICE:
908-233-1444

CUSTOMER'S COPY

TICKET NO.

WA5 51343

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

PLANT LOCATIONS:
- WATCHUNG
- LINDEN
- S. BRUNSWICK
- ROSELAND
- KEARNY
- LAKE HOPATCONG
- ROCKAWAY

TRUCKER: 5069 TR4

ARRIVED JOB: 8 10

LEFT JOB: 8 35

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	I5	TR4	21.00 N	I-5 FABC

GROSS WT: 34.69 TONS
TRK TARE: 13.84 TONS
NET LOAD: 20.85 TONS

LOAD NO.: 1 JOB/PROD TOTAL: 20.85 TONS

Tkt #:174421 Plt ID:LIN 08/03/00 07:24

REC'D BY: Ed Bell

41700

WM # 93828

☒ Weldon Asphalt Co./Plant # ☐ 2 ☐ 3 ☐ 4 ☒ 5 ☐ 6 ☐ 8 ☐ 9 ☐ 10 ☐ 11 Trucking Co. _____

☐ Fanwood Crushed Stone, Co. Truck # TR-4

TRUCKING RECEIPT

DATE	CONTRACTOR & JOB SITE	TICKET #	WEIGHT	START TIME AT PLANT	ARRIVE JOB	LEAVE JOB	MINUTES WAITING TIME
0					0710	0735	

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville, MD
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 82/1, Bayonne, N.J. DATE: 8- -00
CONTRACT NUMBER: REPORT NO. MOTBY-020

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Backhoe	1
Foreman	1	utility Vehicle	1
Super/ QAQC	1	pickup	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A
TOTALS			

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: 70°F OVERCAST/PARTLY Cloudy SITE CONDITIONS: open

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? No
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED FOR MORE DETAIL

- SEE Daily log for addition
- CLEANED areas @ 9 ID and staging area -
Prep for weekend.

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

• Inspection performed by Brian Jackson - USAC Rep.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN:

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS):

- 15 minute H&S meeting
- No Job-related H&S issues noted, No Job related injuries or illnesses

INITIAL INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- Brian Jackson - OSAC - NY - Rep performed inspection @ all areas impacted by todays activities.

SIGNATURE: _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE: _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USAC
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY, Bldg 82/1
Bayonne, N.J.
Client Contact: Brian Jackson

Date: 8-4-00
Apex Staff: JOE L.
Title: Supervisor
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- 15 minute H&S meeting
- Trans Black on-site -
- Cleaned all effected areas impacted by Wecks activities -
- Set up Vac Truck for Monday
- Set up Waste disposal for Soil
- Had Brian Jackson sign certificate for disposal (Soil)
- Called Tri-State for tank Pick up Monday -
- Finished Cleaning 91D, 82, 42, 229H
- Stagging area Swept for weekend -

Sl 8
Travis
Brent
Dave √

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 8-4-00

8/4/00

Returned to site @ 630. Work to be completed in staging area. Area clean-up. Upon arriving, dumpster was being removed for off site disposal.
Additional seed + straw need @ GBV area.
- Need to set up pump out for Mondy morning "for" OWS + UST.
- Set up tank removal off site.
- Contaminated soil disposal.
Pump truck set up for Mondy morning. Need to find out if need a vac truck also. Call J-S L, ask Ed first. ED feels a vac truck is needed. Called Lorco and a vac truck is one week out.
- Called Tri-State. Tank pick up is scheduled for Wed morning.
- Removed fill from UST. No product present, water only. Appears to be approx 20-30 gallons. Talked to Diana @ Lorco. Water is acceptable, so pump out is still on for Mondy morning.
- Continue to have problems w/ contaminated soil disposal. Appears that soil will not be removed until Wed. (Not a huge problem since adding work to contract)
- Had Brian Jackson sign waste cert, wants disposal ~~Analytitals~~ TB Analyticals ASAP.

Crews clean up gas station area + stockpiling area.
Left @ 12:00.

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mothy
Site Address: Bayshore

Client Contact:

Date: Aug 4 -00 Fr.
Apex Staff: Ed Bleigh
Title: Foreman OPERATOR
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

6:00 coupled the hill side at GBU. drove the BACK over to 910 swept Area put two manhole Lids in Bucket plus the Rocks and debree From putting down asphault on Thursday.
went around to All sights that we put Asphalt down and swept up

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 4-00 Fr.

Contractor's Name: Apex Environmental
Address: 15850 Crabbs Branch Way
Rockville, MD
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 82/1, Bayonne, N.J. DATE: 8- -00
CONTRACT NUMBER: REPORT NO. MOTBY-021

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	1	Backhoe	1
Foreman	1	utility Vehicle	1
Super/QAQC	1	pickup	1
C&H	1		

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Clear Sunny 90°F SITE CONDITIONS: Open. Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED FOR MORE DETAIL
Removed O/W Separator & 600 gallon
UST @ Bldg 45

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Inspections performed periodically throughout day by Ed & Brian Jackson - USAC Representative

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN:

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS):

- 15 minute H&S meeting
- No Job related H&S issues noted, No Job related injuries or illnesses

INITIAL INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- Brian Jackson - USAC Rep. inspected hole and 2 pits subsequent to backfilling &/or filling with concrete @ bldg 45.
- Inspection (in-formal) by Rich P. (Env. H&S Specialist) City of Bayonne.

SIGNATURE: _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE: _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Motby
Site Address: Bayonne N.J.

Client Contact:

Date: Aug 7-00 Monday
Apex Staff: Ed Bleigh
Title: Foreman operator
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight had safety meeting with Joe L. safety was about small tools. wearing eye, ear, protection along with gluers hard hat. clean up Beside the sidewalk at GBU Building seeded, straw, Loaded dumpster at Building 45, saw cut Asphault dug down to Find 4" utility. Removed tank pump out was Late getting there. the truck that was set up By TRAVIS -B- on Friday had a spill over at Staten island. the sent out another truck at 3:00 pulled product out on tank that was already above ground. We set it next to hole. it mostly contained water. the oil Water Sep. was 22-" of product. we had to Add water to it due to the sludge at the Bottom. Pulled OWS at #45 around 4:30. Backfilled Afer inspected and samples where taken. Compaction was done every 1' Backfill was 3/4 stone and CR-6. Filled the 2 OWS drains inside the Bay doors where cleaned out. And the material was brought down to the staging area and dump onto the contaminated pile to be hauled out on Wendsday.

note: TRAVIS wasnt able to get trucks for wendsday they are going to be here on Thursday.

Labor
Ed 11
Dave 11
equipment
pump truck
dumpster
510

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 7-00

UL-24-2000 MON 16:35 ID:APEX ENVIRON NJ PAGE:2

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report #
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Environmental
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY - 450W & 450WT
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE (if applicable)	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC - 418.1	VOA+10, BN+15, PPM, PCBs							COMMENTS (i.e. methods, detection limits, etc.)
	SO	450W-01	8/8	1110		X	1	X								Hold pending TPHC
	SO	450W-01A	8/8	1112		X	1		X							
	SO	450W-02	8/8	1115		X	1	X								" "
	SO	450W-02A	8/8	1117		X	1		X							
	SO	450W-03	8/8	1120		X	1	X								" "
	SO	450W-03A	8/8	1121		X	1		X							
	SO	450W-04	8/8	1123		X	1	X								" "
	SO	450W-04A	8/8	1125		X	1		X							
	SO	450W-05	8/8	1127		X	1	X								" "
	SO	450W-05A	8/8	1130		X	1		X							
		Total Number of Containers					10									

Hold pending Authorization

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5.

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Page 2 of 2

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report #
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste-Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Environmental
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project NOTBY-450W & 450WT
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC 418.1	VOA+10(8240) PCB, PPHC B/N+15							COMMENTS (i.e. methods, detection limits, etc.)
	SO	450W-05D	8/8	1135		X	1	X								Hold pending TPHC
	SO	450W-05DA	8/8	1137		X	1		X							
	SO	450WT-06	8/8	1140		X	1	X								" "
	SO	450WT-06A	8/8	1141		X	1		X							
	SO	450WT-07	8/8	1143		X	1	X								" "
	SO	450WT 07A	8/8	1145		X	1		X							
	SO	450WT-08	8/8	1150		X	1	X								" "
	SO	450WT-08A	8/8	1153		X	1		X							
	SO	450WT-09	8/8	1155		X	1	X								" "
	SO	450WT-09A	8/8	1157		X	1		X							

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5.200

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Hold pending Authorization

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY

Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: APEX Environmental
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0267

Sample Site/Project 450W & 450WT
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY / LIMS NO	SAMPLE TYPE USE CODES ABOVE Permissible	SAMPLE IDENTIFICATION (Keep Brief Approx. 12 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC-418.1	VOA+10, BN+15 PCBS, PPM							COMMENTS (i.e. methods, reservation limits, etc.)
	SO	450WT-10D	8/8	1201		X	1	X							CL	"
	SO	450WT-10DA	8/8	1205		X	1		X							

Hold pending Authorization

Total Number of Containers 2

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5.200

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

284741

GENERATOR/LOCATION

SALES ORDER # 99012

NAME: Bayonne Military

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: US RT 169 South

CITY: Bayonne

STATE: NJ

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN

TIME OUT

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: Apex Environmental

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: Rockville

CITY

STATE: MD

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER: 29505

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						
40501	OILY WATER DISPOSAL	ID72	250	104			175
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
504	TANK ENTRY						
40600	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						130
		2 HRS					
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

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

GENERATOR'S SIGNATURE

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. INITIAL

$ 205

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

In accordance the NJAC 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

Print Name _____ Title

Signature _____ Date 8-7-00

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

CUSTOMER

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used on management activities.

Print Name _____

Signature _____ Date 8-7-00

LORCO REPRESENTATIVE

Contractor's Name: Apex Environmental
Address: 15850 Crabbs Branch Way
Rockville, MD
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, 82/1, Bayonne, N.J. DATE: 8- -00
CONTRACT NUMBER: REPORT NO. MOTBY-022

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	1	Backhoe	1
Foreman	1	utility Vehicle	1
Super/ QAQC	1	pickup	1

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
3	8	24

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Sunny, Humid 90°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? No
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? No IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE DAILY LOG ATTACHED FOR MORE DETAIL

- Backfill Bldg 45 area -
- Remove/Drain/Cap 15 gallon wall mounted TANK (Diesel) @ Bldg. 42.

PREPARATORY INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- USAC Rep - Brian Jackson on-site performed periodic inspections throughout day.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES:

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN:

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS):

- 15 minute H&S meeting
- No Job related H&S issues noted,
  No Job related injuries or illnesses

INITIAL INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- Brian Jackson performed inspection of Bldg 45 during backfilling operations walked w/ Brian thought all Areas of Concern (pre-walkthrough.) - see below for Results

SIGNATURE: _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

NOTED by B. Jackson during pre-walkthrough

- Bldg. 91A - Remove pipe (interior) - corrected 8/8
- Bldg. 235A - " - corrected 8/8
- Bldg. 228A " - corrected 8/8

SIGNATURE: _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mothy
Site Address: Bayonne

Client Contact:

Date: Aug 8-00 Tues.
Apex Staff: Ed Bleigh
Title: Foreman.
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight TRI STATE Salvage Loaded up 550 which turned out to Be a 600 gl cleaned the OWS. out with absorbent RAGS. hauled over to staging area Busted up loaded into dumpster 8:30 Asphoult on sight Dave SAW CUT AROUND the OWS escavation while Joe and myself put down asphoult and TACK coat at the 600 UST area. 1:00 work the rest of day going over all the sights working the P.O. / List. Brian and Ed with USACE walk the Jobs on monday we removed the alarms and Filled in the holes where the pipes came into the # 42 Building. Also worked on Building [redacted] draining the day tank on the wall mounted above the generator.

Ed 9
Dave 9

9.
510
dumpster
tel.
4 yards
Asphoult.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 8-00

Tri-State Salvage & Trucking

3710 Horst Lane
CHAMBERSBURG, PA 17201-9131
717-261-0504

EPA# PAR000010991

TRANSFER OF RESPONSIBILITY
CERTIFICATE OF STORAGE TANK DISPOSAL

DATE 8-8-00

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks **ARE NOT:**

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

660	Gallon tank	Former Contents	used oil
75	Gallon tank	Former Contents	oil - water separator
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	

Owner Location

Contractor Name: Apex Environmental

Name: Bayonne Military Complex

Address: Rt 169

Bayonne, N.J.

Signature: J. [illegible]

Date: 8-8-00

Salvage Facility Location

Name: **Tri-State Salvage & Trucking**

Address: **11748 Punchbowl Road,**

Mercersburg, PA 17236

Signature: Gerald A Byers

Date: 8-8-00

2564

WM # 93830

☒ Weldon Asphalt Co./Plant # ☐ 2 ☐ 3 ☐ 5 ☒ 6 ☐ 10 ☐ 11

☐ Fanwood Crushed Stone Co.

Trucking Co. _____

Truck # TR-4

TRUCKING RECEIPT

DATE	CONTRACTOR	TICKET #	W	START TIME AT PLANT	ARRIVE JOB	LEAVE JOB	MINUTES WAITING TIME
8-8		5145E	5.03	7 15	7 55	8 45	

I AUTHORIZE [illegible] FOR [illegible]G TRUCKING CHARGES

☒ TOTAL TRUCKING HOURS _____ PORTAL TO PORTAL

☐ TOTAL WAITING _____ (AFTER 30 MINUTES UNLOADING TIME)

X _____

FINISH TIME END OF DAY 9 15

JOB COMMENTS: _____

X _____

HOLDING TIME APPROVED BY/TIME & DATE

[illegible]ER COPY • 3-TRUCKER COPY

ASPHALT/STONE DISPATCH
888-322-2231
908-322-7840

WELDON ASPHALT CO.

WESTFIELD, NJ
908-233-[illegible]

CUSTOMER'S COPY
TICKET NO.
WA5 51458

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PLANT LOCATIONS:
• WATCHUNG • ROSELAND • LAKE HOPATCONG
• LINDEN • KEARNY • ROCKAWAY
• S. BRUNSWICK

PO #:

TRUCKER: [illegible]
TR4
ARRIVED JOB: 17 55
LEFT JOB: 8 45

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	I5	TR4	5.00 N	I-5 FABC

GROSS WT: 18.84 TONS
TRK TARE: 13.81 TONS
NET LOAD: 5.03 TONS

LOAD NO.: 1 JOB/PROD TOTAL: 5.03 TONS

Tkt #:174536 Plt ID:LIN 08/08/00 07:09

10060

ACCEPTED BY

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD.
Phone Number:	301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY / Bldg 82/1 Bayonne DATE: 8-9-00
CONTRACT NUMBER: REPORT NO. MOTBY-023

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
Superintendent / QAQC	1	Utility Vechile	1
Project Manager	1	510-SD Backhoe	1
CIH	1	Pickup	1
FOREMAN	1		
LABOR	1		

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
5	8	40

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Sunny Humid 90°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

SEE ATTACHED DAILY LOG for more Details

- Final walkthrough / punchlist.
- MADE corrections & ~~completed punchlist~~

PREPARATORY INSPECTION:

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- See ATTACHED Results

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES:

SEE ATTACHED

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

See ATTACHED

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 MINUTE HEALTH & SAfety meeting
- No Reported Issues.

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

SEE ATTACHED

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

CENAN-CO-MW

9 August 2000

Memorandum For The Record:

Subject: UST/AST/OWS Removal
Military Ocean Terminal
Bayonne, New Jersey
Contract No. DACA31-98-D-0036
Final Inspection

1. A final inspection for the above subject project was held Wednesday, August 9, 2000 at 10:30am.

2. Please see the attached attendance sheet for attendees.

3. The following is a listing of all the tank sites inspected and associated punchlist items.

Building	Gallonage	Contents	Punchlist
Aboveground Storage Tanks:			
42/1W	275	Diesel	None
42/1W	25	Diesel	None
42/1C	100	Diesel	None
42/6	65	Diesel	Install lock on cap
61B	550	No. 2 fuel oil	None
22	1,000	Diesel	None
42	10	Diesel	None (tank drained and capped)
Convaults:			
91A	500	No. 2 fuel oil	None
211A	500	No. 2 fuel oil	None
228A	1000	No. 2 fuel oil	None
235B	500	No. 2 fuel oil	None
Underground Storage Tanks:			
91D	(3) 2,500	Gasoline	None
254 (GBV)	(2) 6,000	No. 2 fuel oil	None
234A	1,000	No. 2 fuel oil	None
229 H & J	(2) 1,000	Diesel	None
42	2,500	Diesel	None
82	1,000	Diesel	Install wire nuts on alarm wiring
45	550	Waste Oil	None
Oil/Water Separators:			
72A	N/A	Waste oil	None
45	N/A	Waste oil	None

Contaminated soil to be removed and staging area to be cleaned tomorrow (Thursday 8-10-00). Closure reports to be submitted by contractor to Corps before September 1, 2000.

Prepared By: Brian Jackson
Brian Jackson
US Army Corps of Engineers

cc. Rich Oki, Rich Perusse, Mizra Baig, Steve Wood, Joe Lockwood

U[redacted] ST/OWS Removal
Military Ocean Terminal, Bayonne, NJ
Contract No. DACA31-98-D-0036

Final Inspection Attendance Sheet: Date: Wednesday 8-9-00

Name:	Title:	Organization:	Telephone Number:
Brian Jackson	Project Engineer	US Army Corps	201 - 823 - 6823
Rich Perisse	Envir-Health-Spec	Bayonne (Contractor Office)	201 - 858 - 7824
[redacted]	Project Engineer	US Army Corps	201 - 823 - 6823
Joe [redacted]	Environmental Project Manager	Apex Environmental	201 - 376 - 2028
Travis Black	Project Manager	Apex Environmental	301 - 417 - 0200
Richard OKi	BEC Support	MOTBY	201 - 823 - 7418

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mottley
Site Address: Bayonne
Client Contact:

Date: Aug 9-00
Apex Staff: Ed Bleigh Wed.
Title: Foreman Operator
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

12:00 – 2:00

CAME in after the walk through Joe TRAVIS gave us a few things to dye at 52 + 45 had Flat tire going back to hotel TRAVIS had to put it on his credit CARD. Joe L. set up for the tire to be Fixed at the hotel.

Ed 2
Dave 2
eq:
510
Dumpster

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 9-00

Contractor's Name:	Apex Environmental
Address:	15850 Crabbs Branch Way Rockville MD
Phone Number:	301 - 417 - 0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY / Bayonne, N.J. DATE: 8-10-00
CONTRACT NUMBER: REPORT NO. MOTBY-024

SUPERINTENDENT: Joe Lockwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR Foreman Super / QA&QC	1 1 1	Backhoe Utility Vehicle	1 1

COMPANY	SUBCONTRACTORS RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A

TOTALS

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
3	8	24

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:

WEATHER: Sunny - Humid 90°F SITE CONDITIONS: Clear

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES, EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

- SEE ATTACHED DAILY LOG FOR more detail
- Removal / LOAD / Transport & Disposal of Contam. Soil off-site
- Removed 15 gal. day tank @ 42
- Completed punchlist (wire nuts & lock)

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Brian Jackson inspected all work performed today.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

N/A

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA/PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting
- No injuries Reported during today's activities

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

- All work inspected by Brian Jackson - USAC Rep on-site

SIGNATURE : _____
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE : _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Motsy
Site Address: Bayonne

Client Contact:

Date: Aug 10-00 Thursday
Apex Staff: Ed Bleigh
Title: Foreman Operator
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

6:00 on sight stated cleaning and sweeping up Parking Lot
dumpster was emptyed out Wend- afternoon
put concret and Left over pea gravel into dumpster
put used plastic into 5 yrd dumpster
7:30 one ~~[illegible]~~ Haz-mate dump truck
on sight. Joe called to get another truck
11:50 the second truck returned with second
truck at 12:00 we had 3 Loads sent out
awaiting for theme to return. Loaded up
Apex trailor with Fence 55 drum plastic
Rebar old suction return pipe. Aired up
Tires on dump trailor, got word from USACE
Brian to remove the N-15 g' tank inside
Building #42 TRAVIS was contacted before work
was done.
completed Loading dump trk. 5 total
swepted parking Lot at staging area
510 of Rent demobilized

Ed 8
Dave 8
510
dumpster
2 dump truck

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 10-00 Thurs

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 MANIFEST # 1

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT. MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood

Title: Agent for OWNER - Supplement

Signature: [signature]

Date: 8-10-00

TRANSPORTER

Company: G. Fuselli [illegible]

Phone # [illegible]

Address: [illegible]

Gross Weight:

Tare Weight:

Driver: [illegible]

Net Weight:

(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: [signature]

Date: [illegible]

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: [signature]

Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature]

Date: 8-10-00

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 MANIFEST # 2

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is properly classified and packaged for transportation in accordance with applicable regulations

Name: Joseph Lockwood

Title: Agent for OWNER Superintendent - Apex Env Inc

Signature: [signature]

Date: 8-10-00

TRANSPORTER
Company: G. Fusella trucking

Phone # 732-273-4745

Address: 265 Indiana Ave Iselin NJ. 08830

Gross Weight:

Tare Weight:

Driver: Joseph Melnick #(225)

Net Weight:

(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: [signature]

Date: 8-10-00

DESTINATION
I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: [signature]

Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature]

Date: 8-10-00

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 MANIFEST # 4

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT. MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood

Title: Agent for OWNER Superintendent - Apex Env. Inc.

Signature: [signature]

Date: 8-10-00

TRANSPORTER

Company: G. Fiorello Trucking

Phone # 73 [illegible] 4745

Address: 265 Indiana Ave Iselin N.J.

Gross Weight:

Tare Weight:

Driver: Joseph Melnick (225)

Net Weight:

(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick

Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick

Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: Tom Dee

Date: 8-10-00

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 MANIFEST #_____

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:_____

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT. MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is properly classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood Title: Agent for OWNER Superintendent Apex Env Inc

Signature: _____ Date: 8-10-00

TRANSPORTER

Company: _____ **Phone #** _____

Address: _____ **Gross Weight:** _____

Tare Weight: _____

Driver: _____ **Net Weight:** _____
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: _____ Date: _____

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: _____ Date: _____

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: _____ Date: _____

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: MOTBY
Site Address: Bayonne

Client Contact:

Date: 07/10/2000
Apex Staff:
Title:
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

R. Jaco, J. Lockwood, W. Kizer on-site @ 0800

8:15 - 09:45 Familiarized crew with AST/UST locations and specific health & Safety concerns with each area of concern & operation

0945 - 1000 Met with (MOTBY) Richard Perusse (City of Bayonne) representative

1000 - 1100 Continued Health and Safety orientation.

1100 - 1200 Met with Richard Oki and phone conferenced Brian Jackson (USACOE)

1200 - 1600 Began work in respective areas

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: W.M. Kizer Date: 07/10/2000

W.M. Kizer

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: ~~[illegible]~~, Motby
Site Address:

Client Contact:

Date: mon 7/10/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 103 [illegible] 013
Client Phone:

Summary of Daily Events:

On site 8:00 AM Met with Joe Lockwood
Went around job and located all tanks
[illegible] Removed 250 gal AST
at Bldg 42/1W and pulled to bay door
Removed all piping and 25 gal Simplex day
tank

D Ory - 8:00 - 4:00 - 8
B Blickenstaff - 8:00 - 4:00 - 8
D Bodycomb - 8:00 - 4:00 - 8

1200 W Kizer + L. Proceeded to take soil borings via push technology @ Bld 91D (Gas station). 4 soil borings with samples around the concrete Pad aproximatley to 10 feet below grade One Sample was found to contain contamination.

1445 Moved to Bld 72A and took 2 soil borings + samples around 50 gallon oil-water seperator. samples had a slight discoloration + odor. close for the day @ 1545

W.M. Kizer WMK

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D. Ory Date: 7/10/00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Ft Motby
Site Address:

Client Contact:

Tues
Date: 7/11/00
Apex Staff: D. Dry
Title: Foreman
Apex Job Number:
Client Phone:

Summary of Daily Events:

On site 7:30 AM. Started Demolition of Tank (500 gal) at building 61 B Pumped out tank Air reading is 21.5% O_2 Cut tank in half lengthwise Stripped all piping Removed tank from building. Pulled all Sludge from tank and put in drum Moved to building #22 pumped out tank into drum after tilting tank Cut tank into 4 pieces and wiped out sludge Removed tank from building. Removed all piping. Removed 10 gal day tank from building 42N Removed all piping Loaded tanks on trailer and moved to staging area

D. Dry	- 7:30	- 3:30	-	8 hrs
D. Bodycombe	- 7:30	- 3:30	-	8 hrs
B. Blickenstaff	- 7:30	- 3:30	-	8 hrs

Soil Borings

W. Kizer + L. on-site @ 0730= started (continued work at Bld 72A and completed 2 additional borings of the oil water seperator. Samples had slight odor. We moved to Bld 239 ~~HNTCO's Home~~ day Care) to sample 2 1000 gallon USTs @ 10:30am. 8 Soil borings and samples were completed to approximatley 13 feet below grade. Work was completed @ 1525 and staged gear and departed the base.

W.M. Kizer WM Kizer

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D. Dry Date: 7/11/00

Apex environmental, inc.®
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft Motley NJ
Site Address:

Client Contact:

Date: 7/12/00
Apex Staff: D. Dry
Title: Foreman
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

On site 7:30 AM Moved staging area to new spot unloaded tanks. Removed steel manway lids at 229H, 229J. Started working on manway lids at Building 91D. Removed suction pumps from island and moved to staging area. Went to Canvault sites and ordered 14 ton crane truck from Hertz for Tuesday AM

D Dry - 7:30 - 3:30 - 8
D. Bodycomb - 7:30 - 3:30 - 8
B Blickenstoff - 7:30 - 3:30 - 8

Soil Borings W. Kizer & L onsite @ 07:30 Began soil borings @ Bld 42N of a 2,500 gallon UST. 4 borings were extended to approximately 13 feet and sampled. Work was completed @ ≈1030am. Gear was broken down and moved to Bld 234A (CQ's Residence). @ 1135 work begun to extend 4 Soil borings to approximtley 13 feet. work was completed @ 1435 no samples were found to indicate contamination. Gear was broken down + staged, departed the base @ 1535.

W.M. Kizer - WMK

Signature of Client/Site Contact: 8 Date:

Signature of Apex Representative On Site: D. Dry Date: 7/12/00

2 25 3

Apex environmental, inc.
15250 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft. Mathy NJ
Site Address:

Client Contact:

Date: 7/13/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

On site 7:00 AM Continued work on manway lids at 91D Rented rivet breaker (air) at Nations Rent to break bolts off lids. [illegible] piping from Conveyors at Bldgs 91A 211A and 235B Backhoe with breaker due at 12:00 PM. Pumped water from sump at 234A Took off manhole lid Removed lid at 42N

D. Ory - 7:00 - 4:00 - 9
B Blickenstaff - 7:00 - 4:00 - 9 NO LUNCH
D. Badycomb - 7:00 - 4:00 - 9

Soil Borings

W. Kizer & L. onsite @ 0700 and began work at Bld 254 (GBV) extending soil borings approximatley to 11 feet via hand power & push technology. all 4 samples were found to have elevated levels of contamination. Work was completed @ ≈ 1020. Gear was broken down and moved to Bld 82 (TOC) 3 soil borings were extended down to approximatley 10 feet and sampled. A 4th boring (on the North side) could not be sampled due to an impassible resistance speculated to have been underground tunneling or electrical conduates enclosed by concrete.

~~W.M. Kizer~~ W. Kizer

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D. Ory Date: 4

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 300
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACOE
Site Name: Ft Mdtby
Site Address:

Client Contact:

Date: 7/14/00
Apex Staff: D. Ory
Title: Foreman
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

On site 6:00 AM Stripped 1000 gal Convault at 228 Finished manholes at gas station Pumped out gas tanks Broke concrete over gas tanks Replaced hasp on door. Replaced manhole lids for all tanks rain forecast for weekend. Started breaking wall at BBV Dropped concrete dumpster. Pumped out 2500 gal diesel tank 42N.

D. Ory - 6:00 - 12:00 - 6 + 4 travel
D. Dowyomo - 6:00 - 12:00 - 6 + 4 travel
B. Blickenstaff - 6:00 - 12:00 - 6 + 4 travel
L. Lwebberger - 6:00 - 12:00 6 + 4 travel

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: D Ory Date: 7/14/00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

J.F. [redacted] PROJECT SUMMARY SHEET

Form 1A

Client: US ARMY CORP
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
82/1, BAYONE, N.J.
Client Contact: NEXT WEEKS

Date: 7/14/00
Apex Staff: JIM LOCKWOOD
Title: Program Manager
Apex Job Number: 10352.6
Client Phone: _____

J.F.

Summary of ~~Daily~~ Events:

7/17 2 WORKERS WILL EXCAVATE THE (3) 2500 GALLON GASOLINE STORAGE TANKS (91D)
4 COATS - APPROX - 100 TONS CLEAN SOIL TO BE DISPOSED

7/18 1 WORKER WILL BEGIN TO DEMOLISH SOUTHERN RETAINING WALL OF TANKS LOCATED @ BLDG - 254
(2 - 6000 GALLON HEATING OIL)
PUMP TRUCK TO REMOVE APPROX - 600 GALLONS OIL/WATER OUT OF 42N - 2500 GALLON DOME

7/19 EXCAVATION ACTIVITIES WILL CONTINUE @ 91D AS WELL AS REMOVING TANKS TO STORAGE AREA AND COVERING WITH PLASTIC - EXCAVATION FILLED WITH 3/4" CLEAN STONE (CERTIFIED CLEAN) TO GRADE

7/19 EXCAVATE - 2 - 6000 GALLON UST @ 254
REMOVE - STAGE AND REGRADE PENDING RESTORATION ACTIVITIES

7/20 - CONVAULTS TO BE LOADED W/ DUMP TRUCK
- 1 WORKER TO BREAK UP PADS ON 72A, 229S 229M, 234A AND PLACE IN CONCRETE DUMPSTER

7/21 - COMPLETE 254A EXCAVATION AND REGRADE CLEAN UP SITE, STABILIZE FOR WEEKEND.

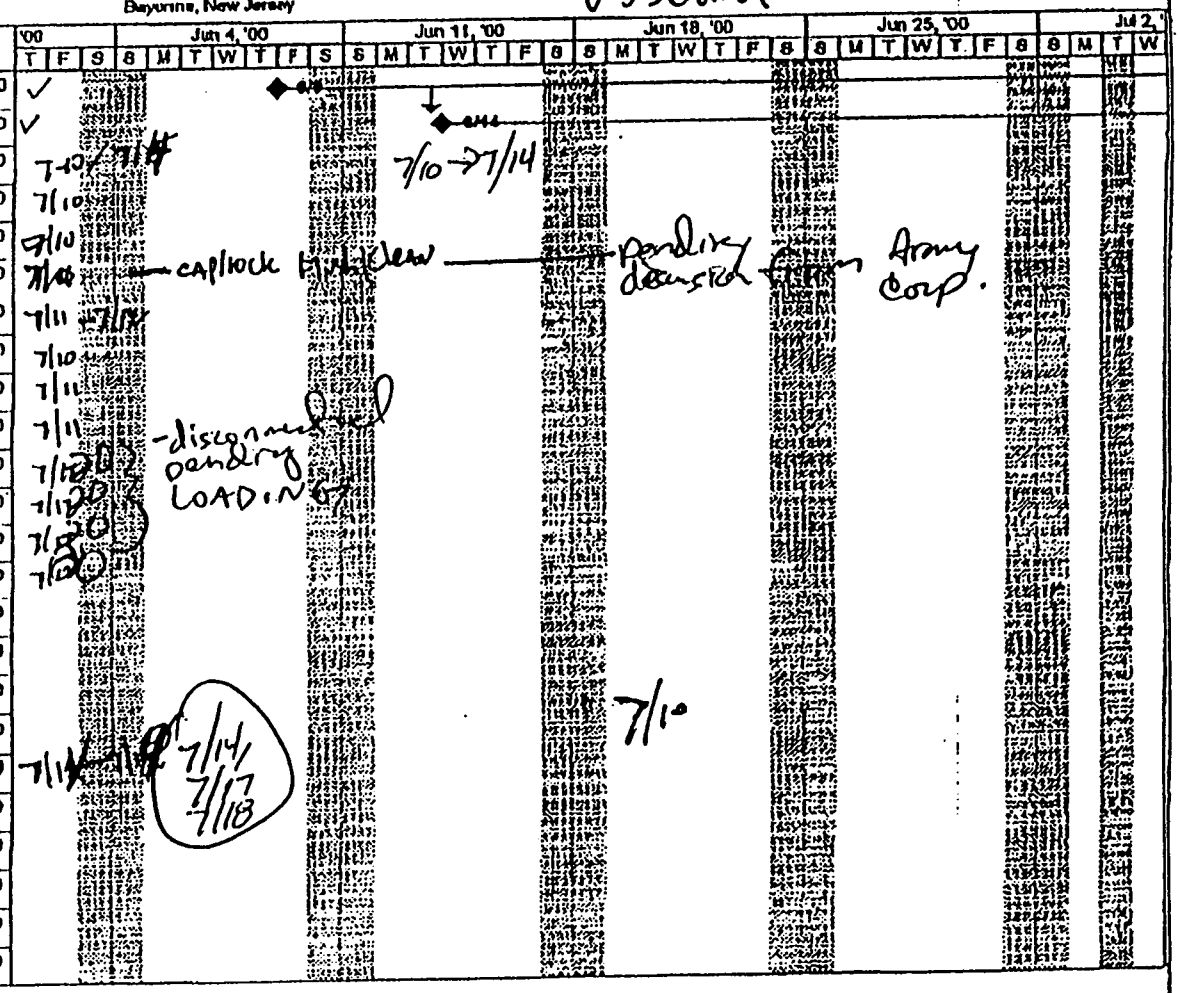
Signature of Client/Site Contact: J.F. [redacted] Date: 7/14/00

Signature of Apex Representative On Site: _____ Date: _____

Schedule for U.S. Army Corps of Engineers
Removal of ASTs, USTs, OWSs and Convaults
at the
Military Ocean Terminal
Bayonne, New Jersey

Sub surface

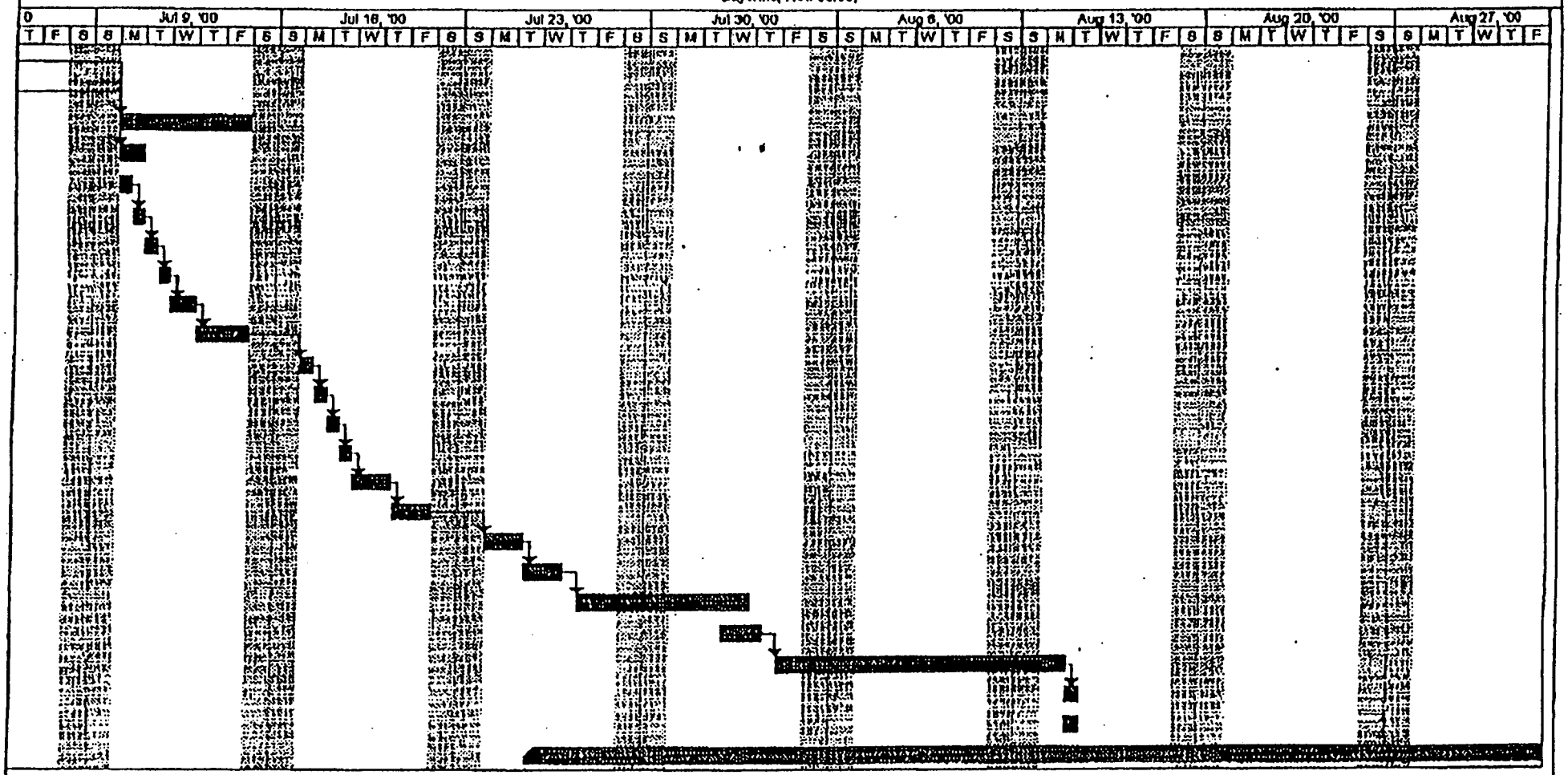
Task Name	Duration	Start	Finish
Work plans submitted	0 days	Fri 6/9/00	Fri 6/9/00
Schedule and In house Meeting	0 days	Wed 6/14/00	Wed 6/14/00
Subsurface Investigation	5 days	Mon 7/10/00	Fri 7/14/00
Mobilization of Crew	1 day	Mon 7/10/00	Mon 7/10/00
Building 42/1W 25-gallon AST Removal	0.5 days	Mon 7/10/00	Mon 7/10/00
Building 42/6 65-gallon AST Removal	0.5 days	Mon 7/10/00	Mon 7/10/00
Building 42/1C 100-gallon AST Removal	0.5 days	Tue 7/11/00	Tue 7/11/00
Building 42/1W 250-gallon AST Removal	0.5 days	Tue 7/11/00	Tue 7/11/00
Building 61B 550-gallon AST Removal	1 day	Wed 7/12/00	Wed 7/12/00
Building 22 1,000-gallon AST Removal	2 days	Thu 7/13/00	Fri 7/14/00
Building 91A 500-gallon Convault Removal	0.5 days	Mon 7/17/00	Mon 7/17/00
Building 211A 500-gallon Convault Removal	0.5 days	Mon 7/17/00	Mon 7/17/00
Building 235B 500-gallon Convault Removal	0.5 days	Tue 7/18/00	Tue 7/18/00
Building 228A 1,000-gallon Convault Removal	0.5 days	Tue 7/18/00	Tue 7/18/00
Building 234A 1000-gallon UST Removal	1.5 days	Wed 7/19/00	Thu 7/20/00
Building 229H 1,000-gallon UST removal 7/11	1.5 days	Thu 7/20/00	Fri 7/21/00
Building 229J 1,000-gallon UST Removal 7/11	1.5 days	Mon 7/24/00	Tue 7/25/00
Building 82 1,000-gallon UST Removal	1.5 days	Tue 7/25/00	Wed 7/26/00
Building 91D (3) 2,500-gallon UST Removals 7/10	4.5 days	Thu 7/27/00	Wed 8/2/00
Building 42 N 2,500-gallon UST Removal	1.5 days	Wed 8/2/00	Thu 8/3/00
Building 254 (2) 6,000-gallon UST Removals	7 days	Fri 8/4/00	Mon 8/14/00
Building 72A 50-gallon OWS 7/10 7/11	0.5 days	Tue 8/15/00	Tue 8/15/00
clean-up/demobilization	0.5 days	Tue 8/15/00	Tue 8/15/00
closure reports	28 days	Wed 7/26/00	Fri 9/1/00



Project: bayonne
Date: Tue 7/4/00

Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary

Schedule for U.S. Army Corps of Engineers
Removal of ASTs, USTs, OWSs and Convaults
at the
Military Ocean Terminal
Bayonne, New Jersey



Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Morray Bayonne NJ.
Site Address: NJ. Bayonne

Client Contact:

Date: 7-16-00 Sw
Apex Staff: Ed Bleigh
Title: Envsn
Apex Job Number: 10352-013
Client Phone:

Summary of Daily Events:

2:00 - 7:30 TRAVEL TIME

Ed B
Dave B

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: 7-16-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Bayonne
Site Address: N.J.

Client Contact:

Date: 7-17-00 mon
Apex Staff: Ed Bleigh
Title: Operator
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

700 on sight stoped at 7-11 picked up ice and water soda. Fuel.
7:30 on sight met Joe L. From N.J office I had a safety meeting we went over JSA Dave broke up concret at Building # and Brett and I worked at Building # 91 D I used 510 D Hertz Backhoe to Remove concret and stock piled on sight. put pea gravel to other side. Joe had 2 Loads of #3/4 Blue Stone del. around 10:00 AM. Stockpiled next to hole after uncovering tank is to top of then I noticed that each tank was installed in its own vault separatly I didit have a 18" Bucket on Backhoe so Joe tried to get a 18" or 12" at no prouel at such a short notice. So I had DAVE try to break the top of the vaults wall down Low enuf to get the 24" Bucket between the tank and vault walls very difficult due to the with of vault wall 8"-10 But while Dave was doing this I noticed that the vaults hall taken in water. we took the Straps off and all attached rigging and let the tanks Float up as we pulled them with the J.D 510 D ext-hoe. Set TANKS on plastic and covered. Staged on sight at 91-D Building LABOR- Ed 8.5-.5 PAPER WORK DAVE 8.5 BRETT 8.5 Joe note: Pulled 2 TANK 2500 gl. equipment. Apex TRUCK. Apex TRAILOR. Hertz 510 Ram hoe.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: 7-17-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: Bayonne NJ

Client Contact:

Date: 7-18-00 Tuesday
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight had safety meeting with Joe Removed straps and pull the last 2500 gas tank at Building 91-D set on plastic Joe meet with inspectors while we pull asphault up along the pipe trench then Removed all of the pipeing and the flex connectors that come up from the island pad. Rick K. on sight 12:00. Joe had 2 loads of 3/4 stone delivered. We begain Backfilling after Joe got the approval from State and USACE put 3/4 in first in 1 foot Lift then the old pea stone and pack it down with the Backhoe bucket in 1' Lifts. Joe set up a saw to cut edges around escavation, Rick drove around sit with Joe. Joe set up dumpster in yard Joe took pipe saddles from trench below pipeing

Ed 9. .5 paper work.
Dave 9.
Brent 9.

equip. ~~Operator~~ Backhoe Hertz 510
Bam Hoe.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: _____ Date: _____

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Motby
Site Address: Bayonne NJ

Client Contact:

Date: 7-19-00 Wend.
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352-013
Client Phone:

Summary of Daily Events:

7:00 at 7-11 put ice in cooler for the soil Samples arrived at Job 7:30 met with Joe he had the Boom truck on Sight already Rick and Dave tryed to move the AST But didn't move the TANK. Rick spoke to Joe he set up A sub to come and get fill the AST. Rick picked up the walk behind saw for saw cutting Dave Begain the cutting while Brent and I swept and cleaned up around escavation. After Dave Had completed saw cutting trench. I pulled up the asphalt and stock piled. We tryied to move the F/G 2500 gl. tanks over to staging area. But wasn't able to lower the Boom down al the way to set back onto the truck and that triggered a safety shut off to the engine. Rain started at 12:00.

Ed 8. .5 paper work
Dave 8.
Brent 8.
Rick K on Road at 10:30 or 11:00 he had to take Samples Back to TRAVIS.

eq. Hertz 510 Ramhoe
Boom truck

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: 7-19-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: ARMY CORP.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
8211 Bldg, Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/17/00
Apex Staff: JOE L.
Title: Superint. / QA/QC
Apex Job Number:
Client Phone:

Summary of Daily Events:

Began excavation of 91D-(3)-2500 gallon USTS (2 men)
Continued breaking up southern exterior retaining
wall @ Bldg 254 GBV-(2)-6000 H.O.
Went around and broke up pads @ 229 H & J, 42N,
72 A, & 234 A. Placed segregated concrete into
dumpster.
Recieved 4 loads - Approx - 100 tons of certified
Clean 3/4" stone from Blue Circle MATERIALS -
Lorco Petroleum - pumped Approx. 500 gallons - of
O.L.Y WATER FROM 42N - 2500 gallon diesel

2 loads by 91D — 91D tank excavation — 91D
1 load by 254 — 2 USTS removed
1 load by 42N — N/EASTERN TANKS — Island
No steam/NO PID reading
above background - No visual contam

Apex - Ed Bleigh 7:00 - 300 - No lunch
David Bodycomb 700 - 300 - No lunch
Brett Blickens 700 - 300 - No lunch
Joe Lockwood 7:00 - 3:00 - No lunch

H/S NOTES: 15 MINUTE H/S meeting 7:00 - 7:20
TALKED RE: GAS TANKS - Inert w/ dry ICE, WATER line
along excavation southern wall - and sloping
excavation.

Signature of Client/Site Contact: [signature] Date: 7/17/00

Signature of Apex Representative On Site: [signature] Date: 7/17/00

CUSTOMER EXTRA COPY (2)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.	174783
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Fresh mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CL FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE W STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM CESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENG ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENG

RETURNED CONCRETE ____ YDS. CUSTOMER INITIALS E.B

Plant	Ticket No.	Truck	Load Size	Description	Slu
11	58110		23.42	TOPE 12.38 GROSS 35.80	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.
10068	APEX ENVIRONMENTAL, INC.		A. EZZO	1717

Del. Add./Inst.
BAYONNE-MILITRY OCEAN TER(309C

TRUCK: 9229
OFF 169-TO GUARDHSE-ASK FOR JOE LOCKE

Date	Time Due		Use	P. O. No.	
17-Jul-00	08:18		0	MUTBY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMO
23.42	23.42	4.00	309C	57 STONE	tons		
				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All COD. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.
ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature E.B. Gals. add. at cust. req.
Individual acknowledges that he/she has the authority to accept the offer and the conditions, terms, and contingencies thereof stated on both sides of this document.
The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FO VARIATION IN COLOR

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (2)

CONTROL NO.		174784
1	LEAVE PLANT	
2	ARRIVE JOB SITE	
3	START DISCHARGE	
4	FINISH DISCHARGE	
5	LEAVE JOB SITE	
6	ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Freshly mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CL FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE V STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM CESSIVE WATER IN CONCRETE REDUCES ITS FINAL STREN ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LAC CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENG

RETURNED CONCRETE ____ YDS. CUSTOMER INITIALS

Plant	Ticket No.	Truck	Load Size	Description				Stu
11	35818		26.74	TARE	13.61	GROSS	40.35	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.
10068	APEX ENVIRONMENTAL, INC.		ZABRISKIE	17177

Del. Add./Inst.
BAYONNE-NJ (DRY DEPOT TERMINAL) OFF 169 TO QUEBONNE-OFF END OF

TRUCK: 2106

Date	Time Due		Use	P. O. No.	
17-Jul-01	08:20		0	NOTE	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMO
26.74	50.16	4.00	2090	3/4 STONE	TONS		
26.74				AGG HAUL CHARGE			

IN T[illegible]T OF DELIVERY BEYOND CURB LINE. THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWA[illegible] DRIVEWAYS OR OTHER PROPERTY. ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

SUB TOTAL	
TAX	
TOTAL	

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.

ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.

Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.

The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

NOT RESPONSIBLE FC VARIATION IN COLOR

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (2)

CONTROL NO.	174856
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Fresh mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO T BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CLA FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE W STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM. E CESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENG ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENGT

RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 4613

Plant	Ticket No.	Truck	Load Size	Description	Slump
11	35825		26.98	TARE 12.27 GROSS 39.25	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10064	APEX ENVIRONMENTAL, INC.		KUCUK	1717	3

Del. Add./Inst.
BAYONNE-MILITRY OCEAN TER(309C TRUCK: 4613
OFF 169-TO GUARDHSE-ASK FOR JOE

Date	Time Due		Use	P. O. No.	
17-Jul-00	11:41		C	MOTTRY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
26.98	77.14	4.00	309C	3/4 STONE	tons		
26.98				AGG HAUL CHARGE			

Fuel Surcharge

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY. ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

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ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.

Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.

The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

CUSTOMER EXTRA COPY (2)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.		174877
1	LEAVE PLANT	
2	ARRIVE JOB SITE	
3	START DISCHARGE	
4	FINISH DISCHARGE	
5	LEAVE JOB SITE	
6	ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Fresh mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS _____

Plant	Ticket No.	Truck	Load Size	Description	Slum
11	358275		25.96	TARE 13.58 GROSS 39.54	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.
10068	APEX ENVIRONMENTAL, INC.		MOLNAR TRU	1717

Del. Add./Inst. TRUCK: 2545
BAYONNE-MILITRY OCEAN TER(309C OFF 169-TO GUARDHSE-ASK FOR JOE

Date	Time Due		Use	P. O. No.	
17-Jul-00	12:45		0	MOTBY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE
25.96	103.10	4.00	309C	3/4 STONE	tons	
25.96				AGG HAUL CHARGE		

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY. ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

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Customer Signature X _____ Gals. add. at cust. req

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SUB TOTAL
TAX
TOTAL
NOT RE
VARIA

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: ARMY CORP.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY-82/1
SAYONE, N.J.
Client Contact: BRIAN JACKSON

Date: 7/18/00
Apex Staff: JOE Lockwood
Title: Super/QAQC
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

- 15 MINUTE H&S meeting
- Began work @ 91D - REMOVED last 2500 gallon UST staged adjacent to hole pending ARMY/STATE inspection
- CLEANED out excavation TO Stake - WATER - NO sheen visual contamination or PID readings > background
- Jackhamer w/ 510 JD along trench - remove asphalt and segregate
- Sample along pipe trench every 15'. w/in 6" of fiber glass lines removed.
- Backfill excavation to 3" to grade pending restoration
- Backfill trench to grade - tape off both pending restoration
- SEND samples to Rockville w/ CHAIN - Photodocument all work performed
- Recieved 1 5yd general refuse dumpster from Scerbo bros -
- Rich - APEX-Rockville delivered streps & recharger for CEC
- Ordered ANOTHER Concrete 20yd. dumpster for Thursday/Friday
- Ordered Boom Truck for Wed night/Thursday morning delivery
- Inspected by Army Corp/BRAC and

½ hr Lunch -
- Ed Blagh 7:00 - 400
- JOEL 7:00 - 4:30 [redacted]
- Rich Kenny 12:00 - 400
- Dave Bob Cook - 7:00 - 400
- Brett Blinden - 7:00 - 400
- Bill Kiser - 12:00 - 400

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/18/00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: ARMY CORP.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
8211 Bldg, Bayone, N.J
Client Contact: BRIAN JACKSON

Date: 7/19/00
Apex Staff: JOE Lockwood
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- 15 minute SAFETY MEETING - Discussed Rabid animals stray dogs and W. Nile Virus outbreak in Staten Island
- Pick up Asphalt / Concrete saw from National Rent saw cut 91D excavation
- stockpiled asphalt and concrete.
- Utilizing boom truck tried to move Conveyor at 235A - FAILED - NEED 40 TON wrecker -
- Call G+W for scheduling and look @ Job
- G+W on-site and scheduled for 7/20/00
- Received 2 loads of AGA (CR6) on QP
- Stockpiled stone and covered w/ plastic due to RAIN -
- Prepared trench for paving @ 91D

Productivity slowed down @ 300 due to continuing RAIN

- Demobilized, and secured 91D excavation

Rich - 8 - 12
Ed B - 8 - 4
Brett - 8 - 4
Dave 8 - 4
Joe 7 - 4

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/19/00

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (2)

CONTROL NO.	175198
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Freshly mix concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO THE BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CLAIMS FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM. EXCESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENGTH. ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK OF CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENGTH.

RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS Z-C 9502

Plant	Ticket No.	Truck	Load Size	Description	Slump
11	358595		23.62	TARE 15.58 GROSS 39.20	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10064	APEX ENVIRONMENTAL, INC.		Z. COTCA	1740	2

Del. Add./Inst.
BAYONNE-MILITARY OCEAN TER(335 TRUCK: 9502
OFF 1&9 GAURDHOUSE-ASK FOR JOE L

Date	Time Due		Use	P. O. No.	
19-Jul-06	10:15		1		ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
23.62	50.43	2.0	33	3/4 D G A	TON		
23.62				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY. ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.

ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.

Customer Signature X _____ Gals. add. at cust. req. _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.

The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

CUSTOMER EXTRA COPY (2)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

CONTROL NO.	175188
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

• REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION: KEEP OUT OF REACH OF CHILDREN

Freshly mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS _____ 4613

Plant	Ticket No.	Truck	Load Size	Description	Slump
11	35858		26.81	TARE 12.27 GROSS 39.08	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10062	APEX ENVIRONMENTAL, INC.	1	KUCHR 4613	1740	1

Del. Add./Inst.
BAYONNE-MILITARY OCEAN TERM 35 TRUCK: OFF 169-GAUDINEUSE-ASK FOR JOE L

Date	Time Due	Use	P.O. No.	ZONE:
19-Jul-0	7:59:30			50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
26.81	26.81	2.00	33	3/4 D G A	TON		
26.81				HDO HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.

ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.

Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.

The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR

SCERBO

BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

BILL TO: Adex Environmental
15850 Crabs Branch Way
Rockville MD

INVOICE

[illegible] 19[illegible]

TO: [illegible]

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	[illegible]
	OTHER: [illegible]

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

RENTAL CONTRACT

** COPY **

Hertz Equipment Rental

Show R.A. Number on all Correspondence

R.A. No. 1599455

BRANCH: 167	BILL TO CUSTOMER: 650823	SHIPPING ADDRESS
HERTZ EQUIPMENT 41-85 DOREMUS AVENUE NEWARK, NJ 07105 973-589-7540	APEX ENVIRONMENTAL INC 15850 CRABBS BRANCH WAY STE. 200 ROCKVILLE, MD 208552622	MILITARY OCEAN TERMINAL US RT 169 SO. BAYONNE, NJ 07002 301-674-0450

DESCRIPTION/CHARGES

EST START: 7/20/00 8:00 **EST RETURN:** 7/21/00 8:00 DROP DATE: _____

SHIPPED BY: ORDERED BY: DAVE DROP TIME: _____

ORDER DATE: 7/18/00 SALESPERSON: 156 SALES COORDINATOR:

PO# / JOB#: 10352-013 / 1 - MILITARY OCEAN T

Rates include maintenance service

Qty	Equipment #	Min	Day	Week	4 Week	Amount
1	CRANE/TRUCK/14-TON/DSL/SINGLE	480.00	480.00	1360.00	3750.00	
	312148021 Make: FORD Model: F800-3 Ser #: 1FDPF80C3WVA17131					
	Alt Eqp #: 312148021					
	MI OUT: 11697.50 MIL CHG:					
	FUEL CHARGE $4.50 PER GALLON					
	DELIVERY CHARGE					75.00

Customer is responsible for fuel, flats and damages.

Customer must call the branch number listed above to release equipment

CAREFULLY READ TERMS AND CONDITIONS ON REVERSE SIDE OF THIS PAGE

Notwithstanding payment of the LDW fee, Customer is liable for all damage to the Equipment and expense of HERC caused by the Equipment being used or operated in violation of the terms and conditions on the Reverse Side of this page or in violation of the LOSS AND DAMAGE WAIVER GUIDE.

PARAGRAPH 12. ON THE REVERSE SIDE OF THIS PAGE IS IN LIEU OF (i) ALL WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; AND (ii) ALL OBLIGATIONS ON THE PART OF HERC TO CUSTOMER FOR DAMAGES, INCLUDING, BUT NOT LIMITED TO, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE LEASING, MAINTENANCE, USE, OPERATION, STORAGE, ERECTION, DISMANTLING OR TRANSPORTATION OF THE EQUIPMENT. CUSTOMER REPRESENTS THAT HE HAS FULLY INSPECTED THE EQUIPMENT AND THAT SAME IS IN GOOD CONDITION AND REPAIR. CUSTOMER IS LIABLE FOR ALL VIOLATIONS OF LAW ARISING OUT CUSTOMER'S USE, POSSESSION OR OPERATION OF THE EQUIPMENT. THE EQUIPMENT DESCRIBED HEREIN IS RENTED PURSUANT TO AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE SIDE OF THIS PAGE. CUSTOMER REPRESENTS HAVING READ AND AGREED TO SAME.

Initial

_____ I Decline the Loss and Damage Waiver (LDW)

LOSS AND DAMAGE WAIVER (LDW) IS NOT INSURANCE. The Charge for LDW is 12.00 % of gross rental charges. Customer accepts or declines LDW. If Customer accepts LDW, in consideration of the charge shown above, Lessor agrees to waive certain claims against customer for loss of or damage to Equipment, in accordance with the terms and conditions set forth in Paragraph 8, on the Reverse Side of this page and in the LOSS AND DAMAGE WAIVER GUIDE which Customer hereby acknowledges receiving.

Customer acknowledges that the Equipment will be returned in a good, clean, and uncontaminated condition, free of any and all hazardous substances.

Terms are Net 10 Days

Not valid without Barcode

Print Customer Name _____ Title _____

Customer Signature _____ Date _____

Hertz Equipment Rental

SAFETY / DAMAGE SHEET

DATE 7/12/00 MILES OUT 11697 MILES IN

CRANE

CUSTOMER APEX

I.C. # 312-14-8021 LIC # AC 849V TYPE MAKE MODEL

MARK CLEARLY ALL SAFETY ITEMS
BY SYMBOL. "M" MISSING - "X" OK - "✓" NOT APPLICABLE

MARK CLEARLY ALL DAMAGE BY SYMBOL "B" BRUISE - "C" CUT - "H" HOLE - "D" DENT

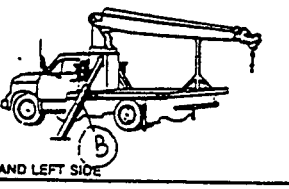
SAFETY

EQUIPMENT SAFETY REQUIREMENTS
CHECK-OUT AND CHECK-IN LIST

	OUT	IN	N/A
BACK-UP ALARM	X		
FIRE EXTINGUISHER	X		
SAFETY DECALS	✓		
FLARE KIT	✓		
OPERATOR'S MANUAL	✓		
SEAT BELTS	✓		
HORN	✓		
CAPACITY CHART	✓		
HOOK SAFETY LATCH	✓		
LIGHTS - T/SIGNALS - BRAKE - SIDE	✓		
TIRES - WEAR % ____	✓		
MIRRORS	✓		
BRAKES - PARKING BRAKE	✓		
ANGLE INDICATOR	✓		
LOAD DRUM INDICATOR	✓		
ANTI-TWO BLOCK SYSTEM	✓		
OVERLOAD SYSTEM	✓		
OUTRIGGERS AND PINS	✓		
ANNUAL SAFETY INSPECTION	✓		
ANNUAL DOT INSPECTION	✓		
GRAB HANDLES	✓		
NON-SKID TAPE	✓		
GAUGES AND SWITCHES	✓		

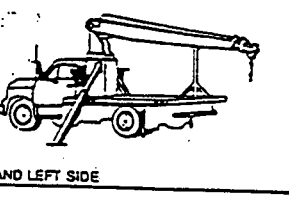
REMARKS:

OUT



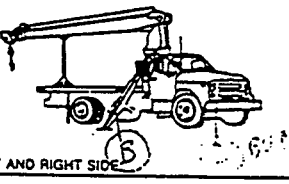
REAR AND LEFT SIDE

IN



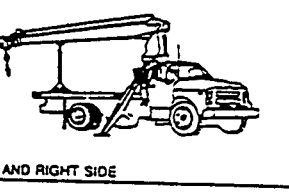
REAR AND LEFT SIDE

OUT



FRONT AND RIGHT SIDE

IN



FRONT AND RIGHT SIDE

DAMAGE INSPECTION

CHECK-OUT AND CHECK-IN LIST

	OUT	IN	N/A
ENGINE SYSTEM	✓		
COOLING SYSTEM	✓		
AIR INDUCTION SYSTEM	X		
FUEL SYSTEM	✓		
ELECTRICAL SYSTEM	✓		
HYDRAULIC SYSTEM	✓		
EXHAUST SYSTEM	✓		
HOSES (WATER) (HYD)	✓		
BOOM	✓		
TRANSMISSION	✓		
STEERING (TIE RODS ETC)	✓		
CONTROL LEVERS	✓		
CAB - SHEETMETAL - GLASS	✓		
NON-SKID TAPE (STEPS)	✓		
RADIO			✓

REMARKS:

JE Lockwood - Supervisor 7/12/00

CHECKED OUT BY: [signature] DATE: CHECKED IN BY: DATE:

RECEIVED BY: [signature] DATE: 7/14/00 7/18/00 RA# 159455 RECEIVED FROM: DATE:

SAFETY AND HEALTH PROTECTION ON THE JOB REQUIRED BY HERTZ

Apex environmental, inc.®
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: BAYONNE NJ

Client Contact:

Date: 7-20-00 Thursday
Apex Staff:
Title:
Apex Job Number:
Client Phone:

Summary of Daily Events:

7:00 on sight completed saw cutting and installing CR-6 into escacation at 91 D
Pump truck showed up at 42 N to Remove 11000 gl. pump truck lift and Vac truck was on sight to pump out sludge from 10-1 from the 2,500 ~~4~~ 1,000 UST 3,500 convault 1,000 convault 2,6,000 UST
Load the AST with wrecker truck had to use Boom truck on the 1000 gl AST to move over to Loading area so we had enoff Room for TRACKOR trailor. load up Asphault and concret into 40 yrd dumpster = Roll off completed compaction at 91-D 1:00 took a very short Lunch went to 42 N Began uncovering the tank and digging out pea gravel.
pulled tank. Joe had USACE inspector on sight ~~[illegible]~~ Joe took samples. city inspector on sight after we had already pulled tank. he had nothing important to say.
Completed BACKFILLING 42 N with pea gravel 3/4 stone and CR-6 cleaned up and swept the area put up RIBBON around sight.

Ed 11. .5 paper work
Dave 11
Brett 11

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: 7-20-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: MILITARY OCEAN TERMINAL
Site Name: MOTBY
Site Address: MOTBY, 821 Bldg
BAYONNE NJ
Client Contact: BRIAN JACKSON

Date: 7/20/00
Apex Staff: JOE Lockwood
Title: Super/QAQC
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- H&S meeting 7:00 - 7:15
- Prep to pave 91D - SAW CUT EXCAVATION and backfill w/ DGA(QP) T/OR CR6
- Pump truck removed 1200 gallons o/water from 42N
- VAC Truck pumped sludges from 42N, 229H, 229J 234A, 254 and 4 Conveults (211A, 91G, etc.)
- Wrecker showed up @ 10:00 - moved conveults and placed on trailer + boom truck
- Clean up 91D, load concrete/Asphalt into dumpster
- Completed compaction @ 91D
- Began excavation @ 42N - 2500 Gallon UST
- Tank removed @ 42N, obtained samples inspected by Army Comp (Ed) - told to backfill
- Bayonne ENV. Health Spec. (Rick) on-site to observe.
- No sheen, odors or discoloration, No elevated PID reading
- backfilled with Pea gravel from excavation, 3/4" clean fill and topped with DGA (CR6)

Joe 7:00 - 6:00 pm -
Dave 7:00 - 6:00
Brent 7:00 - 6:00
JOEL 7:00 - 7:00

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J. Lockwood Date: 7/20/00

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

19

TO:

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER:

Authorized Signature

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7 21 19

TO: [illegible]

[illegible]

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	[illegible]
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US ARMY CORP
Site Name: MILITARY OCEAN TERMINAL
Site Address: 87/1 BLDG, MOTBY
BAYONNE, N.J
Client Contact: BRIAN JACKSON

Date: 7/21/00
Apex Staff: JOE L
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- Health and Safety Meeting —
- SAW CUT 42 W - prep for pave
- Remove asphalt to GID staging area
- swept and taped off 42W —
- GARDNER Dump from HERTZ
- Remove 2 LOADS of Concrete and replace
- Boom truck removed by Hertz
- Cleaned up and taped off - 91D
- Began wall demo @ 254 (GBV)
- Excavated to tank
- Stabilized excavation — left site

Ed - 6 - 1
Dave - 6 - 1
Brent - 6 - 1
Joe L - 6 - 4

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J. L. Date: 7/21/00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US ARMY CORP
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY, Bldg 82/1
Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/24/00
Apex Staff: JOE L.
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- Daily health and safety meeting
- Work began @ 754 (GBV) - Removed 2 - 6000 gallon UST.
- Graded area to provide interior access to walls with 510JD w/ hammer.
- Broke down 3 of 4 walls - removed and placed into 20 yd. Dumpster -
- Due to potential rain forcasted did not remove soils so that a potential mess could be avoided.
- Moved to 2295 - Removed over burden
- Removed 1000 gallon UST and associated equipment / removed 8 tons of cont. soil
- Obtained samples, subsequent to USAC inspection of excavation, (EA)
- Concerns about piping overhang.
- backfilled excavation with over burden in lagoon
- moved 8 tons of material (contain soil) from 2295 to staging area.
- Demobilized for day.

SL - 7-6:30 (-30min lunch) = 11
Brent - " 11
Dave - " 11
Joe L - 7-630

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/24/00

Apex environmental, inc.®
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp
Site Name: MOTBY
Site Address: 82/1 Bldg
Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/25/00
Apex Staff: JOE L.
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- 7:00 - TAILGATE H&S meeting
- 7:15 - Continue removal activities @ 254 GBV
- Segregate clean peagravel (overburden) and stockpile
- All removed soil was visually, ortho and PID screened.
- Ram hoe (flat tire) utilized to remove 8-12" wall - finalized - Jesco removed off rent @ 1:00
- Removed 1000 GALLON UST @ 229 H (& assoc. equipment)
- Photodocumented, samples obtained and sent via Fedex for analysis
- Backfill in 1' layer with clean overburden (peagravel) after inspection by Ed - Army Corp rep.
- Area compacted in 1' lifts w/ Jumping Jack did not affect bldg or canopy in public area.
- Caution tape & secure site for day and demobilized
- No H&S concerns or injuries.

Ed . 8 hr.
Dave . 8 hrs
Brent . 8 hrs
Joe L . 8 hrs.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/25/00

Ship To:
BRANCH 01
S. PLAINFIELD

XX
OF XX
MR XX
IO XX
NM XX
G XX

Invoice To:
APEX ENVIRONMENTAL,
15850 CRABBS BRANCH
SUITE 200
ROCKVILLE, MD 20855

Branch		
GENERATED AT 01-S. PLAINFIELD		
Date / Time: 07/25/2000	Page: 10:08:49 (O)	1
Account No.: 41702	Phone No.: 3014170200	Invoice No.: 0 020863
Ship Via:	Purchase Order: 013161	
Sales Tax License No.:	Federal Exemption No.:	
Farm Plan No.:	Salesperson: 126	

DESCRIPTION

INBOUND DELIVERY RECEIPT
RENTAL
RENTAL
STATUS - PENDING

Fold -

Stock #: 819528A1 , 510D BACKHOE LOADER , Serial #: 819528
with hours reading of 0, was picked up on 25th JULY 2000
with the following attachments
Stock #: KAL0381 , 400H HYD HAMMER , Serial #: KAL0381
with hours reading of 1

SHIPPING INSTRUCTIONS

MILITARY OCEAN TERMINAL
BAYONNE JOE MOB# 201-376-2028
CALL WHEN AT FRONT GATE

Via Vendor/Trucker: 002565 - JESCO INC SO PLFD 2

EMPLOYEE: _____ CUSTOMER: [signature]

DRIVER: _____

Body: Scratches all around

Tracks: [illegible] Tracks/Rollers:

R/Front Flat

Cylinders: Both STABS scratch,

Date: 7/25/00 Time: ___:___ ☐ AM ☑ PM

Via: ☑ Jesco, Inc. Driver: Rich

☐ Customer Pick-up

Hours: 2330 Point: 26½

Fuel: ☐ Full ☐ 3/4 ☐ 1/2 ☑ 1/4 ☐ Empty

Contractor's Name: Apex Environmental Inc
Address: 15550 Crabbs Branch Way
Rockville MD.
Phone Number: 301-417-0200

CONSTRUCTION QUALITY CONTROL REPORT

PROJECT NAME: MILITARY OCEAN TERMINAL
LOCATION: MOTBY, Bldg #211, Bayonne, N.J. DATE: 7/25/00
CONTRACT NUMBER: _____ REPORT NO. MOTBY-012

SUPERINTENDENT: Joe Oakwood

TYPE OF WORKERS	NUMBER	TYPES OF CONSTRUCTION EQUIPMENT ON SITE	NUMBER
LABOR	2	Ram Rock 3125D	1
Foreman	1	510 JD Back Hoe	1
Superintendent/QA	1	Utility Truck	1
		pick up	1

SUBCONTRACTORS

COMPANY	RESPONSIBILITY	FOREMAN	NO. OF WORKERS
N/A	N/A	N/A	N/A
TOTALS			

NO. OF WORKERS TODAY	MAN HOURS TODAY	MAN HOURS FOR THIS PERIOD
4	8	32

CONTRACT MATERIALS AND EQUIPMENT DELIVERED TO SITE:
N/A

WEATHER: clear - 75°F SITE CONDITIONS: clear, Sunny

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? NO
IF YES. EXPLAIN.

HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE OR FINDING OF FACT? NO IF YES, EXPLAIN.

Description of All Work Performed Today
(List By Definable Features of Work)

- See daily log for additional information
- Continued excavation activities @ 254 GBU
- Removed 1000 GALLON UST @ 229 H

PREPARATORY INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
ATTACH MINUTES OF MEETING AND LIST OF ALL ATTENDEES.

- Inspection performed by QC (Army Corps Rep) @ 254 GBU @ 9:00 - No comments or questions
- Inspection @ - 1:30 by QC (Army Corps Rep) @ 229 H removal operations.
- Inspection @ 1:35 by Rich - Bayonne Env. & Health Specialist.

HAVE ALL REQUIRED SUBMITTALS AND SAMPLES OF CONSTRUCTION BEEN APPROVED?

YES

DO THE MATERIALS AND EQUIPMENT TO BE USED CONFORM TO THE SUBMITTALS?

YES

HAS ALL PRELIMINARY WORK BEEN INSPECTED, TESTED, AND COMPLETED?

YES

TEST REQUIRED AND INSPECTION TECHNIQUES TO BE EXECUTED TO PROVE CONTRACT COMPLIANCE (INCLUDE BOTH EXPECTED AND ACTUAL RESULTS)

PID, Visual and olfactory inspection of underlying soils during removal operations @ 229 H - Samples obtained - No elevated readings or odors noted.

HAS A PHASE HAZARD ANALYSIS BEEN PERFORMED? N/A

COMMENTS AND DEFICIENCIES NOTED AND CORRECTIVE ACTIONS TAKES :

N/A

ALL INSTRUCTIONS RECEIVED FROM QA PERSONNEL AND ACTIONS TAKEN :

N/A

JOB SAFETY (INCLUDE MEETINGS HELD AND DEFICIENCIES NOTED WITH CORRECTIVE ACTIONS) :

- 15 minute H&S meeting
- No H&S issues arose today
- No injuries or job related Health & Safety Concerns noted during performance of todays tasks

INITIAL INSPECTION :

LIST ALL INSPECTIONS BY SUBJECT AND SPECIFICATION LOCATION.
COMMENTS AND OR DEFICIENCIES NOTED AND CORRECTIVE ACTION TAKEN.

Ed. USARMY Corp - throughout day - No comments or questions with regard to Apex's operations

Rich - Bycone - No comments or questions throught day - just observing.

SIGNATURE : [signature]
QUALITY CONTROL REPRESENTATIVE/MANAGER

THE ABOVE REPORT IS COMPLETE AND CORRECT. ALL MATERIALS AND EQUIPMENT USED AND ALL WORK PERFORMED DURING THIS REPORTING PERIOD ARE IN COMPLIANCE WITH THE CONTRACT SPECIFICATIONS, AND SUBMITTALS, EXCEPT AS NOTED ABOVE.

SIGNATURE _____
CONTRACTOR'S APPROVED AUTHORIZED REPRESENTATIVE

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp
Site Name: MOTBY
Site Address: 82/1 Bldg
Bayonne N.J.
Client Contact: BRIAN JACKSON

Date: 7/25/00
Apex Staff: JOE L.
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- 7:00 - TAILGATE H&S meeting
- 7:15 - Continue removal activities @ 254 GBV
- Segregate clean peagravel (overburden) and stockpile
- All removed soil WAS visually, ortho and PID screened.
- Ram hoe (flat tire) utilized to remove 8-12" wall - finalized - Jesco removed off rent @ 1:00
- Removed 1000 GALLON UST @ 229 H (& assoc. equipment)
- Photo documented, samples obtained and sent via Fedex for analysis
- Backfill in 1' layer with clean overburden (peagravel) after inspection by Ed - Army Corp rep.
- Area compacted in 1' lifts w/ Jumping Jack did not affect bldg or canopy in PRNIC area.
- Caution tape & secure site for day and demobilized
- No H&S concerns or injuries.

Ed . 8 hr.
Dave . 8 hrs
Brent . 8 hrs
Joe L . 8 hrs.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/25/00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mossy
Site Address: Bayonne

Client Contact:

Date: 7-25-00 Tuesday
Apex Staff: Ed Bleigh
Title: ~~EQ~~ FORMAN
Apex Job Number:
Client Phone:

Summary of Daily Events:

7:00 on sight at 254 GBU. cont. to Remove the concret. and stock pile on sight Completed the Removal of concret around 12:30.
224 H Removed the 1000 TANK Joe took samples. Removed Vent pipe and old SUCTION and RETURN Lines Removed sump and manhole cover stock pipe at staging area
Back Filled at 229 17 in 1' LIFT compacted with Jumping Jack.
3:30 cleaned up sight & put caution TAPE up at 254 GBU

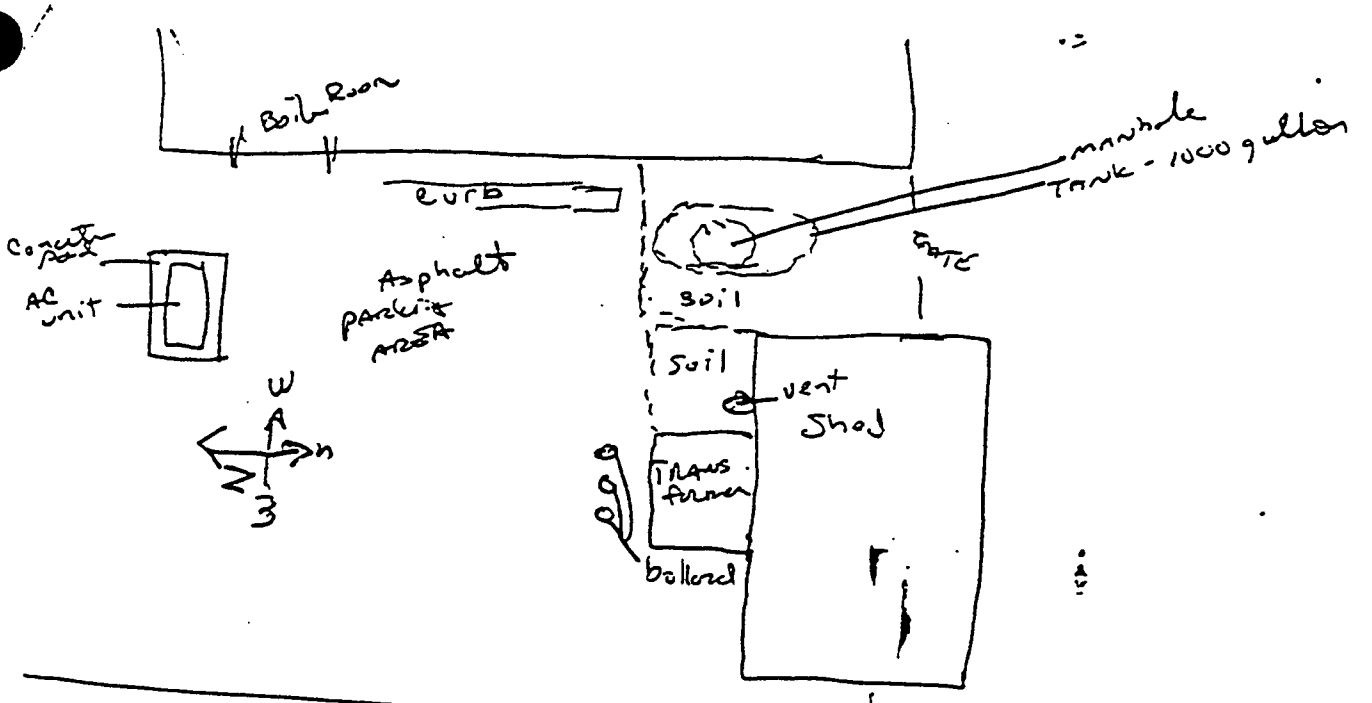
BACKhoe 510
Ran hoe off Rent picked up at 1:00 pm

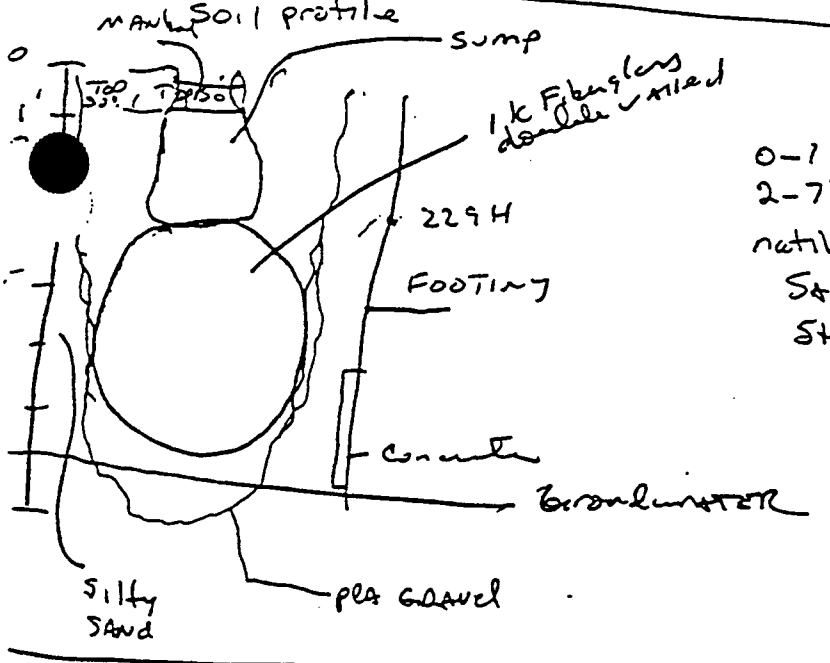
Ed 8. . 5 paper work
Dave 8
Brent 8.

Signature of Client/Site Contact: _____ Date: _____

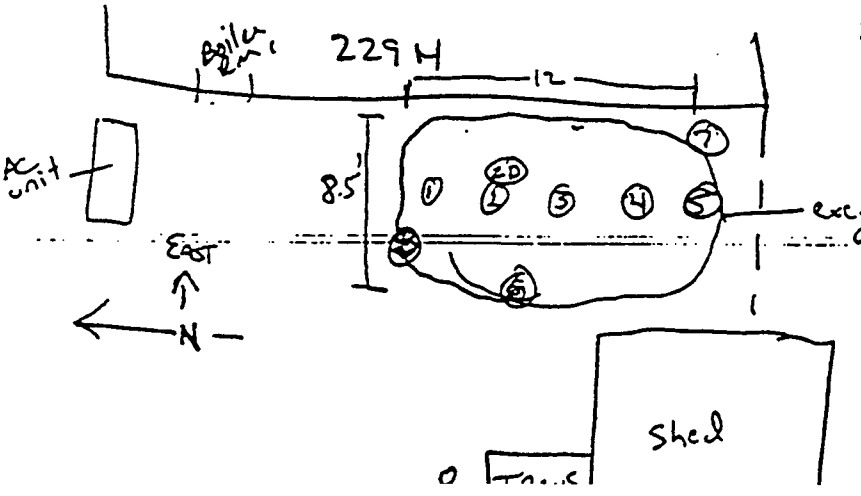
Signature of Apex Representative On Site: Ed Bleigh Date: 7-25-00

Layout 229H





0-1' - Topsoil
2-7' - pea gravel w/in 1' of tank w/ fill
native soils from 2-7' - silty Sand and mixture of intermediate Stone.



* Sample depth 7.0'
229H - 01 - Northern centerline
02 - Sample depth 7.0'
03 - duplicate
03 - depth 7.0'

04	7.0'
05	7.0'
06	6.5'
07	6.5'
08	6.5'

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB US
Report # _____
Temp. Blk. _____
Cooler # _____
PUC # _____

Test Results to:
Company: APEX ENV.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project NOTBY - 229H
Sampler/MDOE # _____
Client's P.O. # _____

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME _____ DAY _____ DATE _____

LAB USE ONLY LMS NO	SAMPLE TYPE USE CODES ABOVE (if editable)	SAMPLE IDENTIFICATION (Each brief Acgmn 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA (10+X) 8260	COMMENTS (Use another sheet if more space is needed)
	SO	229H-05	7/25	1457		X	1	X		
	SO	229H-05A	7/25	1500		X	1		X	Hold pending TPH
	SO	229H-06	7/25	1505		X	1	X		" "
	SO	229H-06A	7/25	1507		X	1		X	
	SO	229H-07	7/25	1510		X	1	X		" "
	SO	229H-07A	7/25	1512		X	1		X	
	SO	229H-08	7/25	1515		X	1	X		" "
	SO	229H-08A	7/25	1517		X	1		X	
										" "

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

RUN 25% of Highest Concentration TPH (DOUBLE) for VOA - after verbal authorization

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5 200

YELLOW - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB US	
Report #	
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: APEX ENV. INC.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY-229H
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA+10+X 8260							COMMENTS (i.e. methods, detection limits, etc.)
	SO	229H-01	7/25	1410		X	1	X								HOLD pending TPH
	SO	229H-01A	7/25	1412		X	1		X							
	SO	229H-02	7/25	1430		X	1	X								" "
	SO	229H-02A	7/25	1433		X	1		X							
	SO	229H-02D	7/25	1435		X	1	X								" "
	SO	229H-02DA	7/25	1437		X	1		X							
	SO	229H-03	7/25	1440		X	1	X								" "
	SO	229H-03A	7/25	1443		X	1		X							
	SO	229H-04	7/25	1450		X	1	X								" "
	SO	229H-04A	7/25	1455		X	1		X							

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
[signature]	JDE Lockwood / APEX				
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5.2000

* ... REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
Bldg 82/1, Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/26/00
Apex Staff: JOE L.
Title: Superintendent
Apex Job Number:
Client Phone:

Summary of Daily Events:

- 15 min H&S meeting @ 700am -
- Overcast / raining heavily all day -
- Moved 250 gallon AGST from 42/1 to canopy @ 229J /
- Cut open, cleaned tank - was going to be utilized on-site for diesel - however will use daily 5 gallon containers.
- Backfilled 229 H to grade with overburden and peagravel compacted - with Jumping Jack @ 1-1.5' lifts - pulled concrete from 254 GBV - stockpiled
- 12:30 called day due to rain
- Dump truck delivered by HERTZ

Ed - 5.5
Dave - 5.5
Brett - 5.5
JoeL - 5.5

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: [signature] Date: 7/26/00

Hertz equipment rental

SAFETY / DAMAGE SHEET

DUMP TRUCK

DATE 7-20-00 MILES OUT 57557 MILES IN

CUSTOMER APEX

I/C # 45-09 8177 LIC # 21835 U TYPE MAKE GMC MODEL 7000

MARK CLEARLY ALL SAFETY ITEMS BY SYMBOL. "M" MISSING - "X" OK - "✓" NOT APPLICABLE

SAFETY

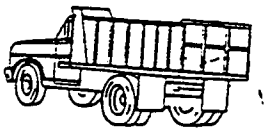
EQUIPMENT SAFETY REQUIREMENTS CHECK-OUT AND CHECK-IN LIST

	OUT	IN	N/A
BACK-UP ALARM	X		
REFLECTOR FLARE KIT	X		
FIRE EXTINGUISHER	X		
OPERATOR'S MANUAL	X		
SAFETY DECALS	X		
SEAT BELTS	X		
HORN	X		
TIRES - WEAR %	X		
TOW HITCH (PINTLE)	X		
MUD FLAPS	X		
MIRRORS	X		
LIGHTS - T/SIGNALS - BRAKE	X		
BRAKES	X		
PARKING BRAKE	X		
GAUGES AND SWITCHES	X		
GRAB HANDLES	X		
SAFETY BAR (BOX)	X		
NON-SKID TAPE (STEP)	X		
ANNUAL DOT SAFETY INSP	X		

REMARKS:

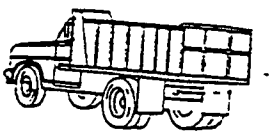
MARK CLEARLY ALL DAMAGE BY SYMBOL "B" BRUISE - "C" CUT - "H" HOLE - "D" DENT

OUT



REAR AND LEFT SIDE

IN



REAR AND LEFT SIDE

OUT

FRONT AND RIGHT SIDE

IN

FRONT AND RIGHT SIDE

DAMAGE INSPECTION

CHECK-OUT AND CHECK-IN LIST

	OUT	IN	N/A
ENGINE SYSTEM	X		
COOLING SYSTEM	X		
AIR INDUCTION SYSTEM	X		
FUEL SYSTEM	X		
ELECTRICAL SYSTEM	X		
HYDRAULIC SYSTEM	X		
EXHAUST SYSTEM	X		
HOSES (WATER) (HYD)	X		
TRANSMISSION	X		
STEERING (TIE RODS ETC)	X		
CONTROL LEVERS	X		
CAB - SHEETMETAL - GLASS	X		
TIRES	X		
RADIO	X		
			✓

REMARKS:

CHECKED OUT BY: [signature] DATE: 07-20-00 CHECKED IN BY: DATE:

RECEIVED BY: [signature] DATE: 7/20/00 RA# 1612775 RECEIVED FROM: DATE:

SAFETY AND HEALTH PROTECTION

RENTAL CONTRACT

Hertz Equipment Rental

Show R.A. Number on all Correspondence
R.A. No. 161247
PAGE

BRANCH: 167	BILL TO CUSTOMER: 650823	SHIPPING ADDRESS
9167 HERTZ EQUIPMENT 41-85 DOREMUS AVENUE NEWARK, NJ 07105 973-589-7540	APEX ENVIRONMENTAL INC 15850 CRABBS BRANCH WAY STE. 200 ROCKVILLE, MD 208552622	MILITARY OCEAN TERMINAL US RT 169 SO. BAYONNE, NJ 07002 301-674-0450

DESCRIPTION/CHARGES

EST START: 7/26/00 10:00 **EST RETURN:** 8/02/00 10:00 DROP DATE: _____

SHIPPED BY: ORDERED BY: JOE DROP TIME: _____

ORDER DATE: 7/25/00 SALESPERSON: 156 SALES COORDINATOR:

PO# / JOB#: 10352-013 / 1 - MILITARY OCEAN T

Rates include maintenance service

Qty	Equipment #	Min	Day	Week	4 Week	Amount
1	BOXDUMP/5-6YD/DSL		175.00	515.00	1535.00	
	656098177 Make: GMC Model: C7H042 Ser #: 1GDL7H1C6WJ515406					
	Alt Eqp #: 656098177					
	MI OUT: 5757.50 MIL CHG:					
	FUEL CHARGE $4.50 PER GALLON					
	DELIVERY CHARGE					75.0

Customer is responsible for fuel, flats and damages.
Customer must call the branch number listed above to release equipment

CUSTOMER
MUST CALL OFFICE WHEN
FINISHED WITH EQUIPMENT
1-800-533-0210

CAREFULLY READ TERMS AND CONDITIONS ON REVERSE SIDE OF THIS PAGE

Notwithstanding payment of the LDW fee, Customer is liable for all damage to the Equipment and expense of HERC caused by the Equipment being used or operated in violation of the terms and conditions on the Reverse Side of this page or in violation of the LOSS AND DAMAGE WAIVER GUIDE.

PARAGRAPH 12. ON THE REVERSE SIDE OF THIS PAGE IS IN LIEU OF (i) ALL WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; AND (ii) ALL OBLIGATIONS ON THE PART OF HERC TO CUSTOMER FOR DAMAGES, INCLUDING BUT NOT LIMITED TO, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE LEASING, MAINTENANCE, USE, OPERATION, STORAGE, ERECTION, DISMANTLING OR TRANSPORTATION OF THE EQUIPMENT. CUSTOMER REPRESENTS THAT HE HAS FULLY INSPECTED THE EQUIPMENT AND THAT SAME IS IN GOOD CONDITION AND REPAIR. CUSTOMER IS LIABLE FOR ALL VIOLATIONS OF LAW ARISING OUT CUSTOMER'S USE, POSSESSION OR OPERATION OF THE EQUIPMENT. THE EQUIPMENT DESCRIBED HEREIN IS RENTED PURSUANT TO AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH ABOVE AND ON THE REVERSE SIDE OF THIS PAGE. CUSTOMER REPRESENTS HAVING READ AND AGREED TO SAME.

Initial ☐ I Decline the Loss and Damage Waiver (LDW)

LOSS AND DAMAGE WAIVER (LDW) IS NOT INSURANCE. The Charge for LDW is 12.00 of gross rental charges. Customer accepts or declines LDW. If Customer accepts LDW, in consideration of the charge shown above, Lessor agrees to waive certain claims against customer for loss or damage to Equipment, in accordance with the terms and conditions set forth in Paragraph 8. on the Reverse Side of this page and in the LOSS AND DAMAGE WAIVER GUIDE which Customer acknowledges receiving.

Customer acknowledges that the Equipment will be returned in a good, clean, and uncontaminated condition, free of any and all hazardous substances.

Terms are Net 10 Days Not valid without Barcode

Print Customer Name Title

Date

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mothy
Site Address: Bayonne NJ.

Client Contact:

Date: 7-26-00 Wed.
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10552013
Client Phone:

Summary of Daily Events:

7:00 on sight RAINed alot, we carried 250 over to 229 H so we had shelter For RAIN CUT TANK in half Back Filled 229 H COMPACTED with Jumping Jack in 1' LIFT. Pulled All CONCRET From 254 to one pile to make it easyer to Load once the dumpster is empty. 12:30 Called it aday

Ed 5.5
Dave 5.5
Brett 5.5

equipment 310 Herc
Dump truck
arrived on sight

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: 7-26-00 Ed Bleigh Date: _____

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

TO: _____ 19__

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER:

Authorized Signature _____

Re: _____

CONTAINER SERVICE _____

SURCHARGE _____

TOTAL _____

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: US Army Corp.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY
Bldg 82/1, Bayonne, N.J.
Client Contact: BRIAN JACKSON

Date: 7/27/00
Apex Staff: Joe Cockerill
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- 15 minute H&S meeting 600 on-site
- 630-635 saw cut 229J
- Removed 1000 GALLON UST @ 82TOC.
- Sampled subsequent to screening with PID and visual - Tank Staged @ 91D area.
- Removed 8 ton of soil - into dump and moved to Staging area - covered with plastic
- Subsequent to inspection by Ed-USAC rep - backfilled excavation to grade, area saw cut and prepped for paving.
- Moved to 234A - Removed tank - unknow pad below grass cover - removed - avoided phone, water & electric lines no damage.
- Screened soil (visual, PID, olfactory), obtained samples for analysis
- TANK removed and staged @ 254 Staging Area
- Removed o/w separator @72A. Inspected by Ed-USAC rep - removed Approx. initially 1/2 ton of visually contam soil - moved o/w separator to 254 Staging area.
- Backfilled 72A w/ 3/4" stone (1/2 ton)
- Did not backfill 234A - due to no USAC inspection

Ed - 11
Dave - 11
Bill - 11
Joel. 11

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J. Cockerill Date: 7/27/00

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB ONLY
Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:
Company: Apex Env.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project Moody - 8270
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LINE NO	SAMPLE TYPE CODES ABOVE	SAMPLE IDENTIFICATION (Case and Sequence #)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA 10X 8260								COMMENTS (i.e. matrix, preservative)
	SO	82TOC-05	7/27	835		X	1	X									
	SO	82TOC-05A	7/27	838		X	1		X								Hold pending TPH
	SO	82TOC-06	7/27	840		X	1	X									
	SO	82TOC-06A	7/27	845		X	1		X								"
	SO	82TOC-07	7/27	847		X	1	X									
	SO	82TOC-07A	7/27	850		X	1		X								"
	SO	82TOC-08	7/27	855		X	1	X									
	SO	82TOC-08A	7/27	857		X	1		X								"
																	"
																	"

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

-2000 MON 16:35 ID:APEX ENVIRON NJ PAGE:2

GASCO...E LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: APEX ENV. INC.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY-82TOC
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY / LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA+10+X 8260							COMMENTS (i.e. methods, detection limits, etc.)
	SO	82TOC-01	7/27	810		X	1	X								HOLD pending TPH
	SO	82TOC-01A	7/27	812		X	1		X							
	SO	82TOC-02	7/27	815		X	1	X								"
	SO	82TOC-02A	7/27	817		X	1		X							
	SO	82TOC-02D	7/27	820		X	1	X								"
	SO	82TOC-02DA	7/27	822		X	1		X							
	SO	82TOC-03	7/27	824		X	1	X								"
	SO	82TOC-03A	7/27	826		X	1		X							
	SO	82TOC-04	7/27	830		X	1	X								"
	SO	82TOC-04A	7/27	833		X	1		X							

Total Number of Containers

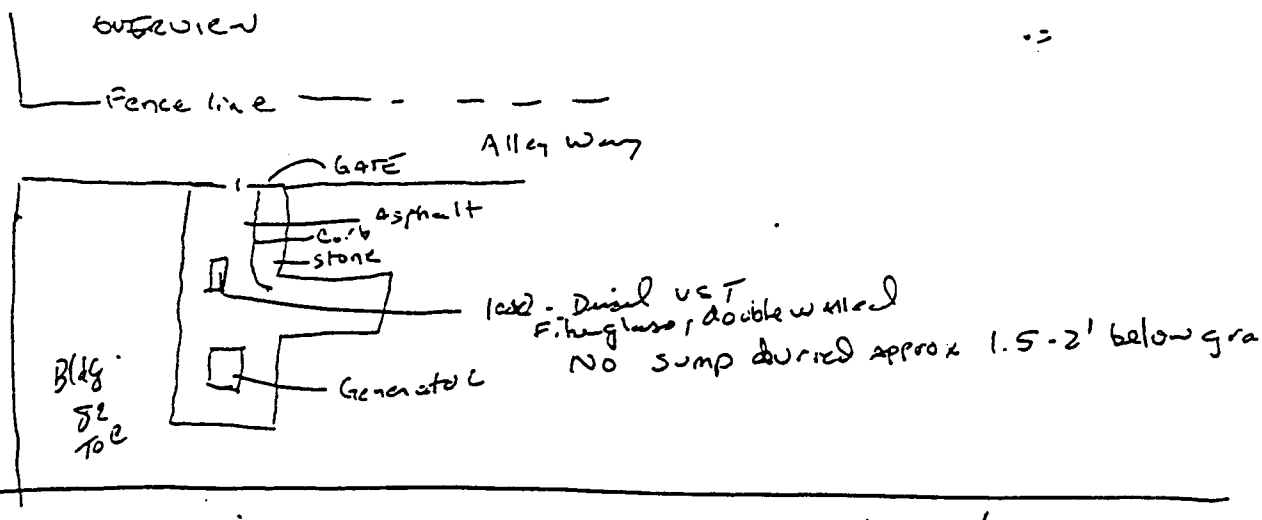
Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
J. [signature]	JOE Lockwood / APEX				
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

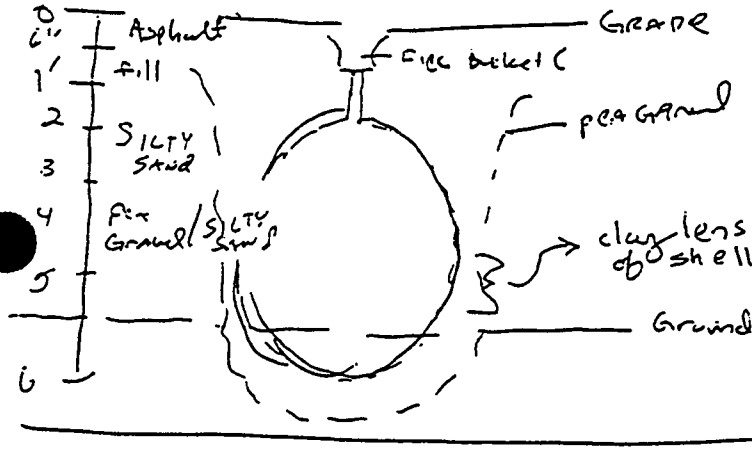
* ... YELLOW - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

4/27/00

82 TOC removal



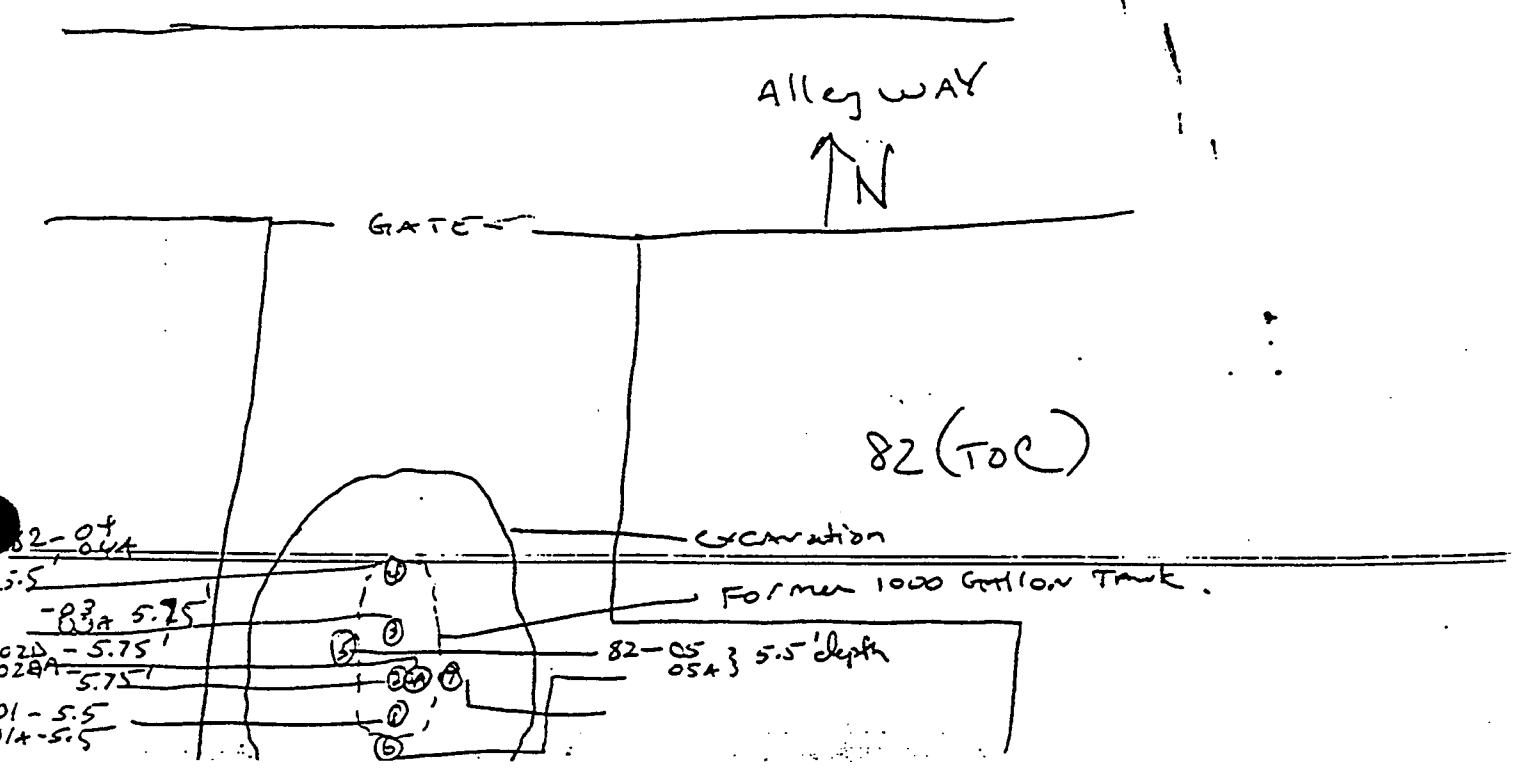
Soil Profile



Approx 4' off of each side of tank was a concrete wall - possibly footing to bldg & or old vault.

Samples obtained in native soils @ approx. 5.5-5.75' below grade

Sample layout



SAMPLE SUBMITTAL [illegible]

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report #
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Environmental
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project: MOTBY-72A
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED: TPHC-418.1; VOA+10; BIN+15; PCB; PPM

Hold pending authorization

LAB USE ONLY / LIMS NO	SAMPLE TYPE USE CODES ABOVE (Facilitate)	SAMPLE IDENTIFICATION (Keep brief Approx. 12 Characters Max)	SAMPLE PRESENTED DATE	SAMPLE PRESENTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC-418.1	VOA+10	BIN+15	PCB	PPM	COMMENTS (i.e. methods, reporting limits, etc.)
	SO	72A-01	7/27	1420		X	1	X					Hold pending 418.1
	SO	72A-01A	7/27	1425		X	2		X				
	SO	72A-02	7/27	1430		X	1	X					"
	SO	72A-02A	7/27	1435		X	2		X				
	SO	72A-03	7/27	1440		X	1	X					"
	SO	72A-03A	7/27	1445		X	2		X				
	SO	72A-04	7/27	1449		X	1	X					"
	SO	72A-04A	7/27	1450		X	2		X				
	SO	72A-05	7/27	1453		X	1	X					"
	SO	72A-05A	7/27	1455		X	2		X				

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature): [signature]	Printed Name/Affiliation: Joe Lockwood/Apex	Date: Time:	
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	

Received By (signature):	Printed Name/Affiliation:	Date: Time:	
Received By (signature):	Printed Name/Affiliation:	Date: Time:	
Received By (signature):	Printed Name/Affiliation:	Date: Time:	
Received By (signature):	Printed Name/Affiliation:	Date: Time:	

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SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE O...
Report #
Temp. Blk.
Cooler #
PUC #

MOTB4-WO-

Test Results to:

Company: Apex Env.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project 72A
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE (if applicable)	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC 418.1	VOA+10(8260), BIN+15 PP metals PCBs						COMMENTS (i.e. methods, detection limits, etc.)
	SO	72A-06D	7/27	1457		X	1								Hold pending 48
	SO	72A-06DA	7/27	1500		X	2								

Hold pending authorization

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	

Received By (signature):	Printed Name/Affiliation:	Date: Time:	
Received By (signature):	Printed Name/Affiliation:	Date: Time:	
Received By (signature):	Printed Name/Affiliation:	Date: Time:	
Received By (signature):	Printed Name/Affiliation:	Date: Time:	

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

TABLE 2-1
ANALYTICAL REQUIREMENTS FOR
PETROLEUM STORAGE AND DISCHARGE AREAS[11]

Sampling Objective	Soil Initial Screening/ Post-Remediation[1]	Water Initial Screening
Gasoline, Mineral Spirits	VO+10[2], Lead[7]	VO+10[2], MTBE[3] TBA[3], Lead[7]
Kerosene, Jet Fuel	VO+10[2] Naphthalenes[5]	B/N+15[10], VO+10[2]
Fuel Oil No. 2, Diesel Fuel	TPHC[9]	B/N+15[10], VO+10[2]
Fuel Oil Nos. 4 & 6, Hydraulic Oils, Cutting Oil, Crude Oil, Lubricating Oil	TPHC, PAH[8]	B/N+15[10], VO+10[2]
Waste Oil	TPHC[6], VO+10[2], B/N+15[10], PCBs, Priority Pollutant Metals or EPA Target Analyte List	PP+40 or TCL/TAL[4]
Waste Vehicular Crankcase Oil	TPHC[6], VO+10[2] B/N+15[10], PCBs, lead	VO+10[2], B/N+15[10]
Waste Mineral Oil	TPHC	

Footnotes

1. Analytical parameters may be limited based on previous analytical results.
2. EPA target compound list volatile organic or priority pollutant volatile organic scans including xylene with a library search.
3. Methyl-tertiary-butyl-ether (MTBE), tertiary-butyl alcohol (TBA) analysis required if gasoline tanks were in service after 1979 and 1969 respectively.
4. Priority Pollutant plus forty (PP+40) including xylene, excluding PCB/pesticide analysis, or EPA Target Compound List plus 30 and EPA Target Analyte List, excluding PCB/pesticide analysis.
5. Naphthalenes, including Naphthalene, Methyl Naphthalenes, Dimethyl Naphthalenes; may be analyzed in B/N+15 fraction or in VO fractions; if analyzed in VO fraction, instrument must be calibrated for these analytes. Quantitation of all isomers found shall be performed against at least one Methyl Naphthalene standard and at least one Di-Methyl Naphthalene Standard.
6. Total Petroleum Hydrocarbon (TPHC) analysis required on all samples. Other parameters required on 25 percent of sample where TPHC was detected (minimum of one sample); other parameters shall be analyzed for in the sample with the highest TPHC.

7. Lead Analysis required if source was or is leaded gasoline.
8. TPHC analysis required on all samples. Polynuclear aromatic hydrocarbons (per EPA Priority Pollutant List) analysis required on 25 percent of samples where TPHC exceeds 100 ppm (minimum of one sample); samples for PAH analysis shall be those with the highest TPHC concentration.
9. TPHC analysis required on all samples; VO+10 analysis required on 25 percent of samples in which TPHC level in soil exceeds 1000 PPM (minimum of one sample); samples for VO analyses shall be those with the highest TPHC concentration.
10. EPA Target Compound List Base Neutral or Priority Pollutant Base Neutral scan with a library search.
11. Analyses are required on all samples unless otherwise noted.

7:26E-2.2 Quality assurance project plan

(a) If the Department requires a Quality Assurance Project Plan (QAPP) pursuant to an oversight document or the ISRA, UST, or any other regulatory program, the person responsible for conducting the remediation shall submit the Quality Assurance Project Plan in accordance with the schedule contained in the oversight document or applicable regulation, and in a format that corresponds directly to the outline of this section.

1. For each remedial phase at a site involving less than 10 areas of concern, the following shall be included in the Quality Assurance Project Plan:

i. The project's scope and complexity and how the project relates to the overall site remediation strategy;

ii. The data quality objectives specific to the site and sampling event (for example, initial site characterization, delineation of contamination, selection of a remedial action);

iii. The names, addresses and Department laboratory certification number (if applicable) of the laboratories to be used for sample analysis. This shall be updated if changes occur during the project;

iv. The name and telephone number of each of the individuals responsible for the following functions (This shall be updated if changes occur during the project):
(1) Overall project coordination;
(2) Sampling activities, including quality assurance and quality control; and
(3) Laboratory activities, including quality assurance and quality control;

v. An "Analytical Methods/Quality Assurance Summary Table" which shall include the following information for all environmental, performance evaluation, and quality control samples:
(1) Matrix type;
(2) Number or frequency of samples to be collected per matrix;
(3) Number of field and trip blanks per matrix;
(4) Analytical parameters to be measured per matrix;
(5) Analytical methods to be used per matrix pursuant to N.J.A.C. 7:26E-2.1;
(6) If proposed, the number and type of matrix spike and matrix spike duplicate samples to be collected;
(7) If proposed, the number and type of duplicate samples to be collected;
(8) If proposed, the number and type of split samples to be collected;

SAMPLE SUBMITTAL

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste - Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE

Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: APEX ENV. Inc.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBT-234A
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep brief/Approx. 15 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA+10+X 8260	COMMENTS (i.e. method, detection limits, etc.)
	SO	234A-01	7/27	1105		X	1	X		HOLD pending TPH
	SO	234A-01A	7/27	1107		X	1		X	
	SO	234A-02	7/27	1110		X	1	X		"
	SO	234A-02A	7/27	1112		X	1		X	
	SO	234A-02D	7/27	1115		X	1	X		"
	SO	234A-02DA	7/27	1117		X	1		X	
	SO	234A-03	7/27	1120		X	1	X		"
	SO	234A-03A	7/27	1123		X	1		X	
	SO	234A-04	7/27	1125		X	1	X		"
	SO	234A-04A	7/27	1130		X	1		X	

Total Number of Containers

TESTS REQUIRED

TCLP 25% > Highest STLC or 10 x TTLC (1000 ppm) for VOA - Attach verbal authorization

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation: JDE Lockwood / APEX	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:

Received By (signature):	Printed Name/Affiliation:	Date: Time:
Received By (signature):	Printed Name/Affiliation:	Date: Time:
Received By (signature):	Printed Name/Affiliation:	Date: Time:
Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5.200

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB US — NET

Report #
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Env.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0628

Sample Site/Project: NOTBY-234A
Sampler/MDOE #:
Client's P.O. #:

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LABS NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Each brief, Approx. 15 Characters Max.)	SAMPLE COLLECTED DATE	TIME	COMPOSITE	GRAB	NUMBER OF CON. TAINERS	TPH 418.1	VOA (10) X 8260	COMMENTS (i.e. matrix, preservative, etc.)
	SO	234A-05	7/27	1135		X	1	X		Hold pending TPH
	SO	234A-05A	7/27	1137		X	1		X	
	SO	234A-06	7/27	1140		X	1	X		
	SO	234A-06A	7/27	1142		X	1		X	
	SO	234A-07	7/27	1145		X	1	X		
	SO	234A-07A	7/27	1147		X	1		X	
	SO	234A-08	7/27	1150		X	1	X		
	SO	234A-08A	7/27	1155		X	1		X	

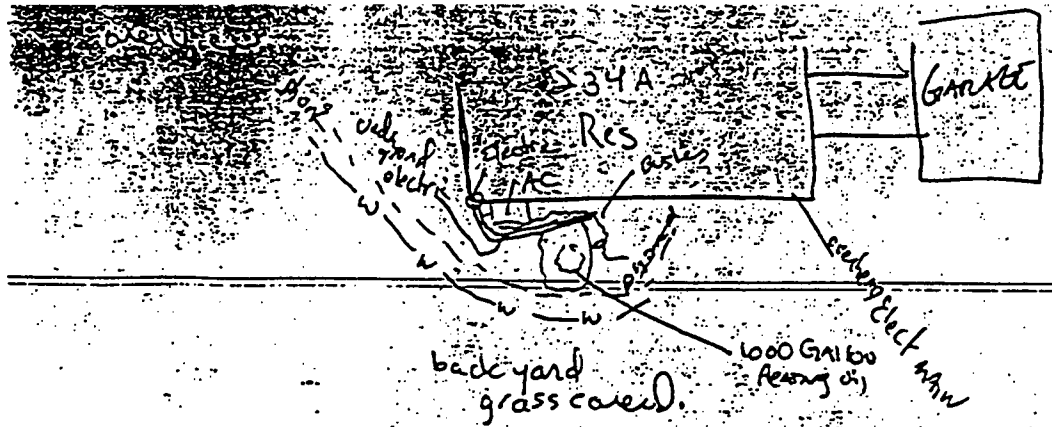
Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

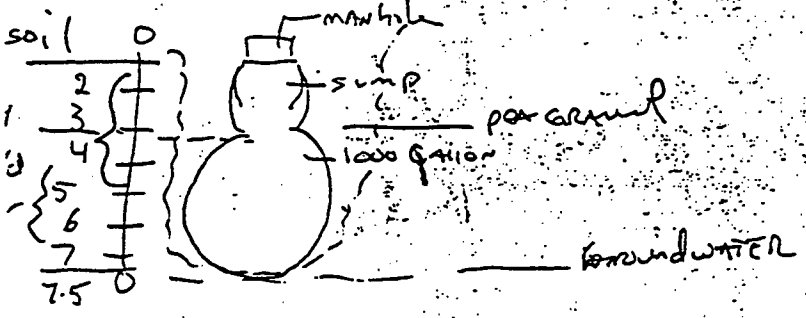
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):	Printed Name/Affiliation:	Date/Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):	Printed Name/Affiliation:	Date/Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):	Printed Name/Affiliation:	Date/Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):	Printed Name/Affiliation:	Date/Time:

501 5.2

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

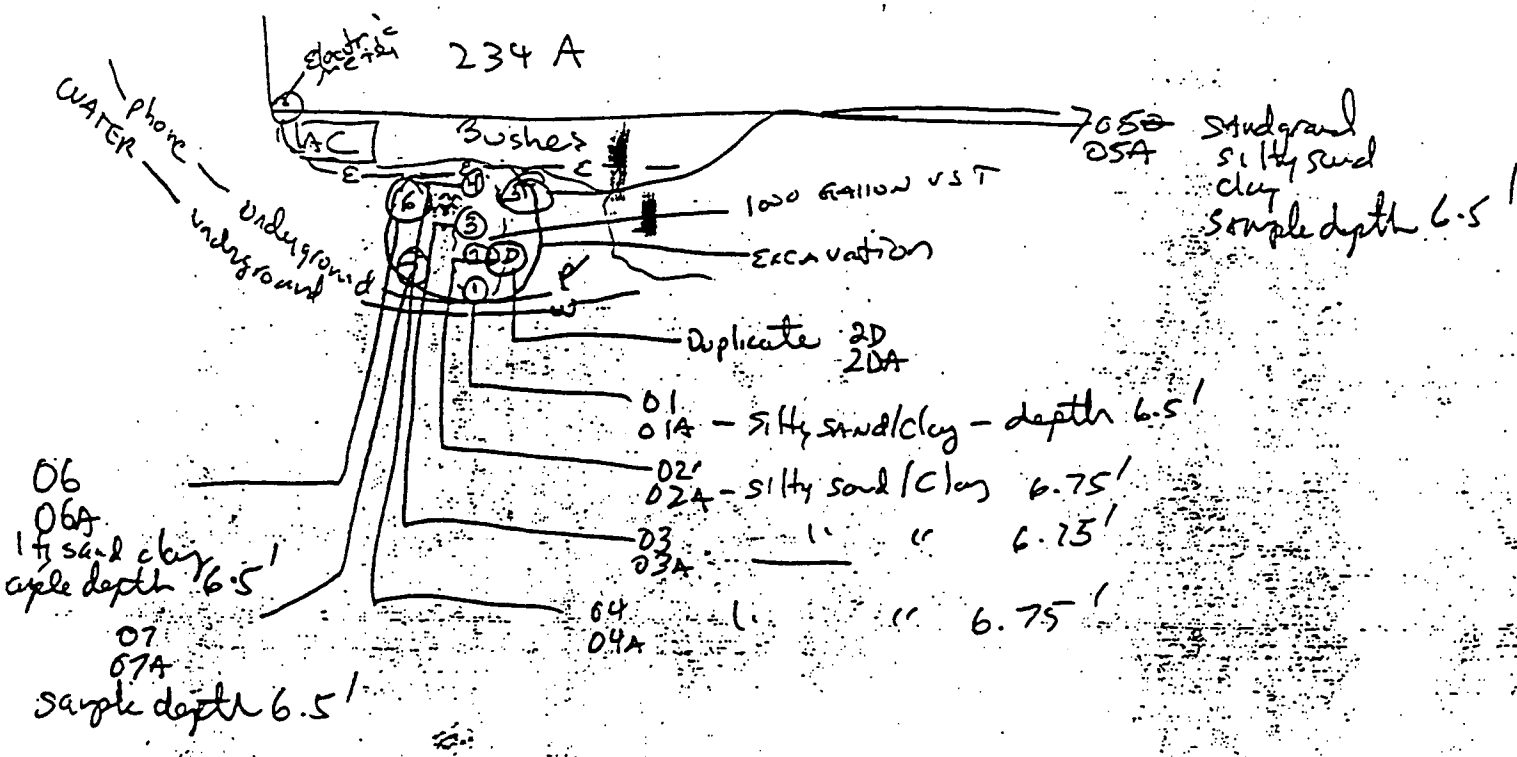


Soil profile



Sintermittent stone/clay/silty sand

Sample layout



SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7. 28 19 [illegible]

TO: Army Environmental

Army Base

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	[illegible]
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACom Corp.
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY, Bldg 82/1
Bayonne, N.J.
Client Contact: Brian Jackson

Date: 7/28/00
Apex Staff: JOE Cockwood
Title: Superintendent
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- 600 - on-site health & safety meeting (15 min)
- Completed backfilling @ 234A -
- INSTALLED 2 truck loads ≈ 45 ton of peagravel from stagging area to bring to grade.
- Rough grade - will restore next week
- Sent Brett to Rockfalls for materials and drop samples to Travis -
- Completed grade of 234A by hand, swept area
- LOADED 20 yd dumpster with concrete
- arranged for 20 yd dumpster pickup
- arranged for asphalt and topsoil delivery next week.
- Meeting w/ ED USAC Rep regarding backfill allocation and quantities.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: J. Cockwood Date: 7/28/00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: Bayonne New Jersey

Client Contact:

Date: ~~Aug 1 00~~ July 31, 00 MON
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight Joe was off today. he had Bill Fill in to take samples at 254 GBU we took out 100 tons of contaminated soil. put on plastic and covered up. 9:00 TRI STATE came out for tanks. we loaded up the three (3) 2,500 gl. UST from 910, hauled the one 1000 gl from #82 to stageing area at 254 GBU parking lot. Brent took 3 bags over to 910 to Sacrete the holes where the pump dispensers where. After lunch used dump truck to haul backfill material back to tank hole at 254 GBU to replace the tank void's and the 100 tons that where removed due to contamination.

Ed 8 equi Heitz Dump-truck
Dave 8 510.
Brent 8

note: called here to repair left rear tire that has a leak.

Top soil set up for 8:00 Tuesday morning.

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 1-00 mon

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: BAYONNE NEW JERSEY

Client Contact:

Date: Aug 1, 00 Tues
Apex Staff: Ed Bleigh
Title: FOREMAN
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight #254 GOU completed BACKFILLING with pea gravel that we took off of the top of ESCAVATION while removing the (2) 6,000 gl tanks. held grade 6" below grade for top soil, Joe had spoken to travis Black LAST night about the account at DURABALL MATERIAL. Joe called the dispatcher to make sure the top soil was coming. Joe was told From the dispatcher that he was awaiting a Fax From Apex to show proff of check. Loaded small sections of pipe and other steal into dumpster that was RETURNED empty at 7:00. 8:30 Herte REPAIRED tire on Backhoe 510 with plug. one at REAR one in the Front. 9:00 used Backhoe to load up the TANKS that where cut up into dumpster. 11:30 SAT Brent to pick up lunch, while Dave and I used Dump truck to carrie over #3/4 stone to 229 H - 229. held to 6" From grade. 12:00 Ride K on sight. he went out to get A Battery For the TRAILOR. 1:00 Top soil on sight Ride and Brent work on Removing the inside pipeing and ALARM SYSTEM at 229 H - 229 - 234 A Joe Dave and myself hauled top soil to 229 with dump truck. installed top soil, compated with plate tamper. RACKED OUT and seeded out STRAW down so we could save the corlex For 25# GOU. NOTE: TOP Soil was NOT sifted. had to RACK out ROCKS and Roots. 3:30 Asphault is not coming on week. due to the acet. not yet set up.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 2-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: MOTBY
Site Address: BAYONNE — NEW JERSEY

Client Contact:

Date: Aug 3- 00 Wed.
Apex Staff: Ed Bleigh
Title: Foreman.
Apex Job Number: 10352.003
Client Phone:

Summary of Daily Events:

7:00 on sight, had Rick and Brentt to cont. to remove pipe, Marks ect. From inside buildings that are needed. While Joe Dave and myself cont. to Backfill 229 H and 234 42 N 72 A 254 GOV. seed straw ecept 234 and 254 GOV, used Burlex and straw. Tri state came out 7:30 Loaded tanks up onto 2 trucks sent out. 10:30. Went back to Backfilling Rick and Brentt Filled ows. drain with slory inside Bay Door, working area.
Compacted with plate tamper, Rick K. Left around 1:00 he took the Hilti gun Back with him. 1 - 3:30 worked at 254 GOV. Backfilling. Competed Backing at all grass areas Asphault set up at 8:00 Thursday morning Joe had the 5 ton Roller del. at 1:00 pm.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 3-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mothy
Site Address: Bayonne N.J.

Client Contact:

Date: Aug 3-00 Thursday
Apex Staff: Ed Bleigh
Title: Foreman
Apex Job Number: 10352003
Client Phone:

Summary of Daily Events:

8 7:00 on sight put more stone at 42 - 82
910. 8:00 top soil on sight, TRAVIS on
ye 8 sight at 9:00. STARTED Asphault at 910 then
#8 42 - 82 - 229 ran alittle short
vis 6 sent truck BACK to get 4 ~~yards~~ TONS.
to complet 229 and 82 Rolled out with
5 ton Roller 3:00 drove over to Look
at Building #45 550 UST to be removed and
oil water, separator. in addision to Fill inside
drain with slury. clean up sight.

10 yrd
'umpster total asphault 66 tons

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 4-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Motby
Site Address: Bayonne

Client Contact:

Date: Aug 4 -00 Fr.
Apex Staff: Ed Bleigh
Title: Foreman Operator
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

6:00 coupled the hill side at GBU. drove the back over to 910 swept area put two man hole lids in bucket plus the rocks and debree from putting down asphault on Thursday.
went around to all sights that we put asphalt down and swept up

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 4-00 Fr

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USAC
Site Name: MILITARY OCEAN TERMINAL
Site Address: MOTBY, Bldg 82/1
Bayonne, N.J.
Client Contact: Brian Jackson

Date: 8-4-00
Apex Staff: JOE L.
Title: Supv. Tech
Apex Job Number: _____
Client Phone: _____

Summary of Daily Events:

- 15 minute H&S meeting
- Travis Black on-site
- Cleaned all effected areas impacted by weeks activities
- Set up Vac Truck for Monday
- Set up Waste disposal for Soil
- Had Brian Jackson sign certificate for disposal (Soil)
- Called Tri-State for tank Pick up Monday
- Finished Cleaning 91D, 82, 42, 229H
- Staging area Swept for weekend

8
Travis
Brent
Dave

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: _____ Date: 8-4-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Motby
Site Address: Bayonne N.J
Client Contact:

Date: Aug 7-00 Monday
Apex Staff: Ed Bleyh
Title: Foreman operator
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

7:00 on sight had safety meeting with Joe C. safety was about small tools. Wearing eye, ear, protection along with gloves hard hat. clean up Beside the sidewalk at GBU Building sealed, straw, Loaded dumpster at Building 45, saw cut Asphault dug down to Find 4" utility. Removed tank pump out was late getting there. the truck that was set up By TRAVIS on Friday had a spill over at STATEN island. the sent out another truck at 3:00 pulled product out on tank that was already Above ground. we set it next to hole. it mostly contained WATER. they oil Water Sep. was 22-11" of product. we had to Add WATER to it due to the sludge at the Bottom Pulled OWS at #45 around 4:30. BACKFILLED AFTER inspected and samples where taken. Compaction was done every 1' BackFill was 3/4 stone. and C.R-6. Filled the 2 OWS drains inside the Bay doors where cleaned out, And the MATERIAL was BROUGHT down to the Staging area and dump onto the CONTAMINATED pile to be hauled out on Wendsday.
NOTE: TRAVIS wasn't able to get trucks for Wendsday they are going to be here on Thursday.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleyh Date: Aug 7-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mathy
Site Address: Bayonne

Client Contact:

Date: Aug 8-00 Tues.
Apex Staff: Ed Bleigh
Title: Foreman.
Apex Job Number: 10352.013
Client Phone:

Summary of Daily Events:

7:00 on sight TRI STATE Salvage Loaded up 550 which turned out to Be a 600 gl cleaned the OWS. out with absorbent Rags. hauled over to staging area Busted up loaded into dumpster 8:30 Asphoult on sight Dave SAW CUT AROUND the OWS escavation while Joe and myself put down asphoult and TACK coat at the 60B UST area. 1:00 work the rest of day going over all the sights working the P.O. / List. Brian and Ed with USACE walk the Jobs on monday we removed the alarms and Filled in the holes where the pipes came into the #412 Building. Also. worked on Building draining the day tank on the wall mounted above the generator.

Signature of Client/Site Contact: _____ Date: _____

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 8-00

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Mottry
Site Address: Bayonne

Client Contact:

Date: Aug 9-00
Apex Staff: Ed Bleigh Wed.
Title: Foreman Operator
Apex Job Number: 10352013
Client Phone:

Summary of Daily Events:

12:00 – 2:00

Came in after the walk through
Joe TRAVIS gave us a few things to
dye at 82 + 45
had Flat tire going back to hotel
TRAVIS had to put it on his credit
card. Joe L. set up for the tire
to be fixed at the hotel.

d 2
avc 2
10
mgster

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 9-00

Apex environmental, inc.
5850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: USACE
Site Name: Motzy
Site Address: Bayonne

Client Contact:

Date: Aug 10-00 Thursday
Apex Staff: Ed Bleigh
Title: Foreman Operator
Apex Job Number: 103 52013
Client Phone:

Summary of Daily Events:

6:00 on sight stated clearing and sweeping up Parking Lot
dumpster was emptyed out Wend- afternoon
put concret and Left over pea gravel into dumpster
put used plastic into 5 yrd dumpster
7:30 one ~~[illegible]~~ Haz-mate dump truck
on sight. Joe called to get another truck
11:50 the second truck returned with second
truck at 12:00 we had 3 Loads sent out
awaiting for theme to return. Loaded up
Apex trailor with fence 55 drum plastic
Rebar old suction return pipe. Aired up
Tires on dump trailor, got word from USACE
Brian to remove the 10-15 g' tank inside
Building #42 TRAVIS was contacted before work
was done.
completed Loading dump trk. 5 total
swepted parking Lot at staging area
510 of Rent demobilized

f 8
ave 8
510
dumpster
2 dump truck

Signature of Client/Site Contact: Date:

Signature of Apex Representative On Site: Ed Bleigh Date: Aug 10-00 Thursday

TRAVIS
7/27/00

		VOID	Removed Contam Soil	
72A	(1) 50 GALLON	.5 tons	.5 tons	
229J	(1) 1000 GALLON	8 tons	8 tons	
229H	(1) 1000 GALLON	8 tons	N/A	
234A	(1) 1000 GALLON	8 tons		
82TOC	(1) 1000 GALLON	8 tons	8 tons	16 tons
42N	(1) 2500 GALLON	20 tons	N/A	20 tons
91D	(3) 2500 GALLON	60 tons	5 tons (pipe Run)	65 tons
254GBV	(2) 6000 GALLON	96 tons/2 half buried = 48 tons	100 tons below tank bottom	148 tons

TRAVIS —

I think Brian Salerno is trying to pull a sneaky one – Although ESTIMATE is relatively high (8 vs 7.5) take into account Asphalt/Concrete removal – To date 4 – 20yd. dumpsters removed
CALL with any questions

203.5
(Accounted for in Remain Costs of tanks)

121.5
(Additional MATERIAL removed as per line item in contract)
(1 tank volume removed & cont. soil)

274 to-

Approx. 50 tons of clean overburden pea gravel was utilized to backfill 254 GBV e.

OVERburden (pea gravel which was clean was utilized for backfill subsequent to authorization by Ed (ARM) Corp Rep) – He specifically asked us to use pea gravel instead of 3/4" clean.

Delivered to ~~Dutge~~ – 3/4" clean bluestone 103.10 tons

3/4" DGA (similar to CRC) 50.43 tons

3/4" blue stone Approximately – ~~64~~ tons of 3/4" clean bluestone used in 91D
– ~~10~~ tons used @ 42N 3/4" clean bluestone
– .5 tons used @ 72A 3/4" clean bluestone

Approx. 28.5 tons remain stockpiled on-site for 254 GBV

CRC FOR DGA
Approx 40 tons of CRC was placed in 91D
Approx 5 tons was placed in 42N

≈ 5 tons remain on-site for 82 TOC

Top Soil to be delivered – 2 loads Approx – 22 tons each ≈ 44 tons.
to be used to dress up 72A – 3 tons
229J – ~~5~~ tons
229H – 5 tons
234A – 5 tons
254GBV – 26 tons

JOEL.

Blue Circle Materials Inc.

BLUE CIRCLE maximizers Your Competitive Edge

475 Market Street
Elmwood Park, NJ 07407
Tel.: (201) 797-7979
Fax: (201) 797-1155

July 14, 2000

Via Facsimile:201-222-9202

Attn: Joe Lockwood
Apex Environmental
15850 Crabbs Branch Way #200
Rockville, MD 20855

Project – Bayonne, Military Ocean Terminal

Letter of Certification 3/4 Stone (# 57)

Dear Joe:

Per your request, this letter will serve as certification regarding our 3/4 stone product for use in environmental applications.

This material meets all specifications for environmental use and is described as virgin crushed stone products from our Quarry located on Rt. 23 (Lot 15, Block 14) Township of Hardyston, Sussex County, New Jersey. To the best of our knowledge this material is not contaminated with any hazardous substances or waste.

If we can be of any further assistance please do not hesitate to call.

Very Truly Yours,

Blue Circle Materials, Inc.

Paul DeRosa

April Rusticus for
Paul De Rosa
Manager of Technical Services

CUSTOMER EXTRA COPY (2)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.	174783
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Fresh mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO THE BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CLAIMS FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM. EXCESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENGTH. ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK OF CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENGTH.

RETURNED CONCRETE ____ YDS. CUSTOMER INITIALS E.B

Plant	Ticket No.	Truck	Load Size	Description	Slump
11	75018		23.42	TOPE 12.38 GROSS 35.80	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		A. EZZO	1717	1

Del. Add./Inst.
BAYONNE-MILITRY OCEAN TER(309C

TRUCK: 9229
OFF 169-TO GUARDHSE-ASK FOR JOE Lockwood

Date	Time Due		Use	P. O. No.	ZONE:
17-Jul-00	08:18		0	MOTBY	50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
23.42	23.42	4.00	309C	3/4" STONE	tons		
23.42				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.

ARE TRUCK TIMES & WATER ADDED CORRECT? — Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.

Customer Signature X Ed Bleyer Gals. add. at cust. req.

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.

The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CUSTOMER EXTRA COPY (2)

CONTROL NO.	174784
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

EB

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

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RETURNED CONCRETE ____ YDS. CUSTOMER INITIALS

Plant	Ticket No.	Truck	Load Size	Description			Slump
11	[illegible]		26.74	TARE	13.61	GROSS 40.35	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		ZABRISKIE	1717	2

Del. Add./Inst.
BAYONNE-MILITARY OCEAN TERMINAL — TRUCK: 2106
OFF 169-TO GUARDHSE--ASK FOR JOE

Date	Time Due		Use	P. O. No.		
17-Jul-00	08:20		0	MOTBY	ZONE:	50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
26.74	50.16	4.00	309C	3/4 STONE	tons		
26.74				AGG HAUL CHARGE			

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Customer Signature X [signature] Gals. add. at cust. req.

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SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

CUSTOMER EXTRA COPY (2)

CONTROL NO.	174856
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 4613

Plant	Ticket No.	Truck	Load Size	Description	Slump
11	35425		26.98	TARE 12.27 GROSS 39.25	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		KUCUK	1717	3

Del. Add./Inst. TRUCK: 4613
BAYONNE-MILITRY OCEAN TER(309C OFF 169-TO GUARDHSE-ASK FOR JOE

Date	Time Due		Use	P. O. No.	ZONE:
17-Jul-00	11:41		0	MOTRY	50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
26.98	77.14	4.00	309C	3/4 STONE	tons		
26.98				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.

ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.

Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.

The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR

CUSTOMER EXTRA COPY (2)

CONTROL NO.	174877
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Freshly mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS _____

Plant	Ticket No.	Truck	Load Size		Description	Slump
11	358275		25.96	[redacted]	TARE 13.58 GROSS 39.54	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		MOLNAR TRU	1717	4

TRUCK: 2545

Del. Add./Inst.
BAYONNE-MILITRY OCEAN TER(309C OFF 169-TO GUARDHSE-ASK FOR JOE

lockwood 2545

Date	Time Due		Use	P. O. No.	
17-Jul-00	12:46		0	MOTBY	ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
25.96	103.10	4.00	309C	3/4 STONE	tons		
25.96				AGG HAUL CHARGE			
				Fuel Sch			

SUB TOTAL	
TAX	
TOTAL	

IN THE [illegible]T OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY. ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

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NOT RESPONSIBLE FOR VARIATION IN COLOR

CUSTOMER EXTRA COPY

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS:/ NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.	175180	
1	LEAVE PLANT	
2	ARRIVE JOB SITE	
3	START DISCHARGE	
4	FINISH DISCHARGE	
5	LEAVE JOB SITE	
6	ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

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RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 4613

Plant	Ticket No.	Truck	Load Size	Description			Slump
11	358586		26.81	TARE	12.27	GROSS 39.08	

Customer No. 10068 Sold To APEX ENVIRONMENTAL, INC. Tax Cd Driver Name and No. ROGER Ord. No. 1740 1

Del. Add./Inst. BAYONNE-MILITARY OCEAN TER(335 TRUCK: 4613 OFF 169-GAURDHOUSE-ASK FOR JOE L

Date 12-Jul-01 Time Due 09:30 Use P.O. No. ZONE: 50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
26.81	26.81	2.00	33	3/4 D G A	TON		
26.81				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
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ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.
The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR

CUSTOMER EXTRA COPY (1)

Blue Circle Materials Inc.

475 Market Street, Elmwood Park, NJ 07407
(201) 797-7979

PLANT LOCATIONS: NEW JERSEY: BOGOTA, E. NEWARK, HAMBURG, JERSEY CITY, MAHWAH, MT. HOPE, RIVERDALE, SECAUCUS, WEEHAWKEN
NEW YORK: WEST NYACK

1-800-822-7242

REDIMIX CONCRETE • CRUSHED STONE • WASHED SAND

CONTROL NO.	175198
1 LEAVE PLANT	
2 ARRIVE JOB SITE	
3 START DISCHARGE	
4 FINISH DISCHARGE	
5 LEAVE JOB SITE	
6 ARRIVE PLANT	

SEE WARNING FOR AGGREGATES PRODUCTS ON REVERSE SIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Freshly mixed concrete may cause skin irritation. Avoid direct contact where possible, wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water.

WE DO NOT GUARANTEE FINISHED RESULTS OBTAINED FROM THIS LOAD OF CONCRETE AS MANY IMPORTANT FACTORS AFFECTING THE ULTIMATE QUALITY OF THE COMPLETED JOB ARE OUT OF OUR CONTROL.

ESTIMATED DELIVERY SCHEDULES WILL BE MAINTAINED TO THE BEST OF OUR ABILITY, BUT WE WILL NOT CONSIDER ANY CLAIMS FOR DAMAGES FOR FAILURE TO DO SO.

PLEASE NOTE:
THIS LOAD OF CONCRETE IS PRODUCED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR REDI-MIX CONCRETE ASTM. EXCESSIVE WATER IN CONCRETE REDUCES ITS FINAL STRENGTH ANY DE-ICING MATERIALS, IMPROPER FINISHING AND LACK OF CURING WILL CAUSE DAMAGE OR A DECREASE IN STRENGTH.

RETURNED CONCRETE _____ YDS. CUSTOMER INITIALS 2-G 9502

Plant	Ticket No.	Truck	Load Size	Description				Slump
11	358536		23.62	TARE	15.58	GROSS	39.20	

Customer No.	Sold To	Tx Cd	Driver Name and No.	Ord. No.	
10068	APEX ENVIRONMENTAL, INC.		Z. CUTCA	1740	-2

TRUCK: 9502

Del. Add./Inst. BAYONNE-MILITARY OCEAN TER(335 OFF 169-GAURDHOUSE-ASK FOR JOE L

Date	Time Due		Use	P. O. No.	ZONE:
19-Jul-00	10:15		1		50

LOAD QUAN.	CUMULATIVE QUAN.	ORDERED QUAN.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
23.62	50.43	2.00	33	3/4 D G A	TON		
23.62				AGG HAUL CHARGE			

IN THE EVENT OF DELIVERY BEYOND CURB LINE, THIS COMPANY WILL NOT ASSUME LIABILITY FOR DAMAGE TO CURBS, SIDEWALKS, DRIVEWAYS OR OTHER PROPERTY.
ANY WATER ADDED TO MIX ON JOB WILL BE AT THE PURCHASER'S RISK. COMPANY RULES REQUIRE THAT ANY WATER ADDED MUST BE RECORDED.

Time in excess of free time will be charged at current delay rate. All C.O.D. deliveries must be paid to driver in advance and ACCEPTING the load by signing this delivery receipt before pouring.
ARE TRUCK TIMES & WATER ADDED CORRECT? Purchaser acknowledges that all material and services shown have been received for use as indicated. Truck times shown are correct and gallons of water added at job at Purchaser's request.
Customer Signature X _____ Gals. add. at cust. req.: _____

Individual acknowledges that he/she has the authority to accept this offer and the conditions, terms, and contingencies thereof stated on both sides of this document.
The individual accepting the delivery of this material is directly responsible for educating all people who may come in contact, of the hazards of cementitious material.

SUB TOTAL	
TAX	
TOTAL	

NOT RESPONSIBLE FOR VARIATION IN COLOR.

DUKABLE CONSTRUCTION CORP.
437-0703

TRK#6

AND SPECIFICATION SHEET
Aggregate Recycling Facility

P.O. Box 1009 160 East 22nd Street
Bayonne, NJ 07002

MUNICIPALITY OF ORIGIN AND COUNTY
BAYONNE

TIME	OUR ORDER NO.	TICKET NO.
		76570

VEHICLE LICENSE NUMBER	NJ DEP REGISTRATION (If applicable)
XW29CC	

GROSS TONS	TARE TONS	NET TONS	WEIGHED BY

MATERIAL DESCRIPTION: DELIVER TOP SOIL 20YDS TO

CUSTOMER: APEX ENVIRONMENTAL M.O.T. BAYONNE

DRIVER NAME	SIGNATURE	INSPECTED BY	DATE
JOHN		JOHN	8/1/2000

NOTICE: Vehicles delivering materials to the recycling center will be inspected and, if found to contain more than allowable amounts of contaminants will be barred from offloading vehicle payload. Only recyclable materials for which the recycling center has obtained general approval to receive, store, process or transfer will be accepted. THE RECYCLING CENTER IS APPROVED TO RECEIVE CONCRETE, BRICK, CINDER BLOCK, TILE, ASPHALT BASED ROOFING SCRAP, NON-CHEMICALLY TREATED WOOD WASTE, AND TREE PARTS OR STUMPS. I CERTIFY THAT I HAVE DELIVERED THE ABOVE MATERIALS AND THAT THE INFORMATION CONTAINED ON THIS FORM IS TRUE, ACCURATE AND COMPLETE.

White:OFFICE • Yellow:Shipper • Pink:FIELD • Goldenrod:TRUCKER

BAYONNE
DURABLE
CONSTRUCTION CORP.
437-0703

TRK#69

RECYCLABLE MATERIALS RECEIPT AND SPECIFICATION SHEET

Aggregate Recycling Facility

P.O. Box 1009 160 East 22nd Street
Bayonne, NJ 07002

MUNICIPALITY OF ORIGIN AND COUNTY: BAYONNE

TIME	OUR ORDER NO.	TICKET NO.
		76571

VEHICLE LICENSE NUMBER	NJ DEP REGISTRATION (If applicable)
XW29CC	

GROSS TONS	TARE TONS	NET TONS	WEIGHED BY

MATERIAL DESCRIPTION: DELIVER TOPSOIL 20 YDRIO

CUSTOMER: APEX ENVIRONMENTAL MOT. BAYONNE

DRIVER NAME	SIGNATURE	INSPECTED BY	DATE
JOHN	Ed Blough	JOHN	8/1/2010

NOTICE: Vehicles delivering materials to the recycling center will be inspected and, if found to contain more than allowable amounts of contaminants will be barred from offloading vehicle payload. Only recyclable materials for which the recycling center has obtained general approval to receive, store, process or transfer will be accepted. THE RECYCLING CENTER IS APPROVED TO RECEIVE CONCRETE, BRICK, CINDER BLOCK, TILE, ASPHALT BASED ROOFING SCRAP, NON-CHEMICALLY TREATED WOOD WASTE, AND TREE PARTS OR STUMPS. I CERTIFY THAT I HAVE DELIVERED THE ABOVE MATERIALS AND THAT THE INFORMATION CONTAINED ON THIS FORM IS TRUE, ACCURATE AND COMPLETE.

White:OFFICE • Yellow:Shipper • Pink:FIELD • Goldenrod:TRUCKER

[illegible] & [illegible] DISPATCH
888-322-2231
908-322-7840

WELDON ASPHALT CO.

WESTFIELD OFFICE:
908-233-4444

CUSTOMER'S COPY
TICKET NO.
WA5 51343

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

PLANT LOCATIONS:
• WATCHUNG • ROSELAND • LAKE HOPATCONG
• LINDEN • KEARNY • ROCKAWAY
• S. BRUNSWICK

TRUCKER: 5069 TR4

ARRIVED JOB: 8 10

LEFT JOB: 8 35

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	15	TR4	21.00 N	I-5 FABC

GROSS WT: 34.69 TONS
TRK TARE: 13.84 TONS
NET LOAD: 20.85 TONS

LOAD NO.: 1 JOB/PROD TOTAL: 20.85 TONS

Tkt #:174421 Plt ID:LIN 08/03/00 07:24

REC'D BY: Ed Bloch

41700

ASPHALT & STONE DISPATCH
888-322-2231
908-322-7840

SOLD TO:

APEX ENVIRONMENTAL INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

WELDON ASPHALT CO.
WESTFIELD OFFICE
908-233-4444

• WATCHUNG
• LINDEN
• S. BRUNSWICK

PLANT LOCATIONS:
• ROSELAND
• KEARNY
• LAKE HOPATCONG
• ROCKAWAY

INSPECTOR'S COPY
TICKET NO.
WA5 51356

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	15	TR4	21.00 N	I-5 FABC

TRUCKER	ARRIVED JOB	LEFT JOB
5069 TR4	12 20	2 00

GROSS WT: 34.65 TONS
TRK TARE: 13.79 TONS
NET LOAD: 20.86 TONS

LOAD NO.: 3 JOB/PROD TOTAL: 6[illegible] TONS

TRK #: 174434 Plt ID:LIN 08/03/00 11:37

REC'D BY Ed Bl[illegible]

41720

ASPHALT & STONE DISPATCH
888-322-2231
908-322-7840

WELDON ASPHALT CO.

WESTFIELD OFFICE:
908-233-4444

INSPECTOR'S C
TICKET NO.
WA5 51366

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

PLANT LOCATIONS:
- WATCHUNG
- LINDEN
- S. BRUNSWICK
- ROSELAND
- KEARNY
- LAKE HOPATCONG
- ROCKAWAY

TRUCKER
5069
TR4

ARRIVED JOB	LEFT JOB
320	330

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	15	TR4	4.00 N	I-5 FABC

GROSS WT: 17.81 TONS
TRK TARE: 13.79 TONS
NET LOAD: 4.02 TONS

LOAD NO.: 4 JOB/PROD TOTAL: 60.68 TONS

Tkt #:174144 Plt ID:LIN 08/03/00 14:39

REC'D BY Ed Bleigh

8040

ASPHALT & STONE DISPATCH
888-322-2231
908-322-7840

WELD[illegible] ASPHALT CO.
WESTFIE[illegible]
908-233-[illegible]

CUSTOMER'S COPY
TICKET NO.
WA5 51458

SOLD TO:

APEX ENVIRONMENTAL INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

PLANT LOCATIONS
• WATCHUNG • ROSELAND • LAKE HOPATCONG
• LINDEN • KEARNY • ROCKAWAY
• S. BRUNSWICK

TRUCKER
5069
TR4

ARRIVED JOB 1755
LEFT JOB 845

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	I5	TR4	5.00 N	I-5 FABC

GROSS WT: 18.84 TONS
TRK TARE: 13.81 TONS
NET LOAD: 5.03 TONS

LOAD NO.: 1 JOB/PROD TOTAL: [illegible].03 TONS

Tkt #:174536 Plt ID:LIN 08/08/00 07:09 10060

[illegible]D BY [signature]

☒ Weldon Asphalt Co./Plant # ☐ 2 ☐ 3 ☐ 5 ☐ 6 ☐ 10 ☐ 11

☐ Fanwood Crushed Stone Co.

WM # 93830

Trucking Co. _____

Truck # TR-4

TRUCKING RECEIPT

DATE	CONTRACTOR	TICKET #	WEIGHT	START TIME AT PLANT	ARRIVE JOB	LEAVE JOB	MINUTES WAITING TIME
8-8		51458	5.03	7 15	7 55	8 45	

I AUTHORIZE ___ FOR ___ TRUCKING CHARGES

☐ TOTAL TRUCK ___ HOURS ___ PORTAL TO PORTAL

☐ TOTAL WAITING ___ (AFTER 30 MINUTES UNLOADING TIME)

X _____ SIGNATURE

FINISH TIME END OF DAY 9 15

JOB COMMENTS: _____

X _____

HOLDING TIME APPROVED BY/TIME & DATE

DRIVER COPY • TRUCKER COPY

ASPHALT/STONE DISPATCH: 888-322-2231 908-322-7840

WELDON ASPHALT CO.

CUSTOMER'S COPY

TICKET NO. WA5 51458

SOLD TO:

WESTFIELD

ASPHALT/STONE DISPATCH

888-322-2231
908-322-7840

WELDON ASPHALT CO.

WESTFIELD
908-233-[illegible]

CUSTOMER'S COPY
TICKET NO.
WA5 51458

SOLD TO:

APEX ENVIRONMENTAL, INC.
MILITARY OCEAN TERM.
BLDG 42 BAYONNE

PO #:

PLANT LOCATIONS
• WATCHUNG • ROSELAND • LAKE HOPATCONG
• LINDEN • KEARNY • ROCKAWAY
• S. BRUNSWICK

TRUCKER
5069
TR4

ARRIVED JOB
1755

LEFT JOB
845

ACCOUNT NO.	MIX NO.	TRUCK	TONS REQUESTED	TYPE OF MATERIAL
033680 000	I5	TR4	5.00 N	I-5 FABC

GROSS WT: 18.84 TONS
TRK TARE: 13.81 TONS
NET LOAD: 5.03 TONS

LOAD NO.: 1 JOB/PROD TOTAL: 5.03 TONS

Tkt #:174536 Plt ID:LIN 08/08/00 07:09

09060

D BY

WM # 93828

☒ Weldon Asphalt Co./Plant # ☐2 ☐3 ☐4 ☒5 ☐6 ☐8 ☐9 ☐10 ☐11 Trucking Co. _____

☐ Fanwood Crushed Stone, Co. Truck # TR-4

TRUCKING RECEIPT

DATE	CONTRACTOR & JOB SITE	TICKET #	WEIGHT	START TIME AT PLANT	ARRIVE JOB	LEAVE JOB	MINUTES WAITING TIME
8-3	APEX ENVIRONMENTAL	51343	20.86	0715	8 10	8 36	
	Military Ocean Term	349	20.89		10 10	11 00	
	Bld A2 Bayonne	356	20.86		12 20	2 00	
		366	4.02		3 20	3 30	

I AUTHORIZE THE FOLLOWING TRUCKING CHARGES

☒ TOTAL TRUCKING HOURS 8 3/4 PORTAL TO PORTAL

☐ TOTAL WAITING TIME _____ (AFTER 30 MINUTES UNLOADING TIME)

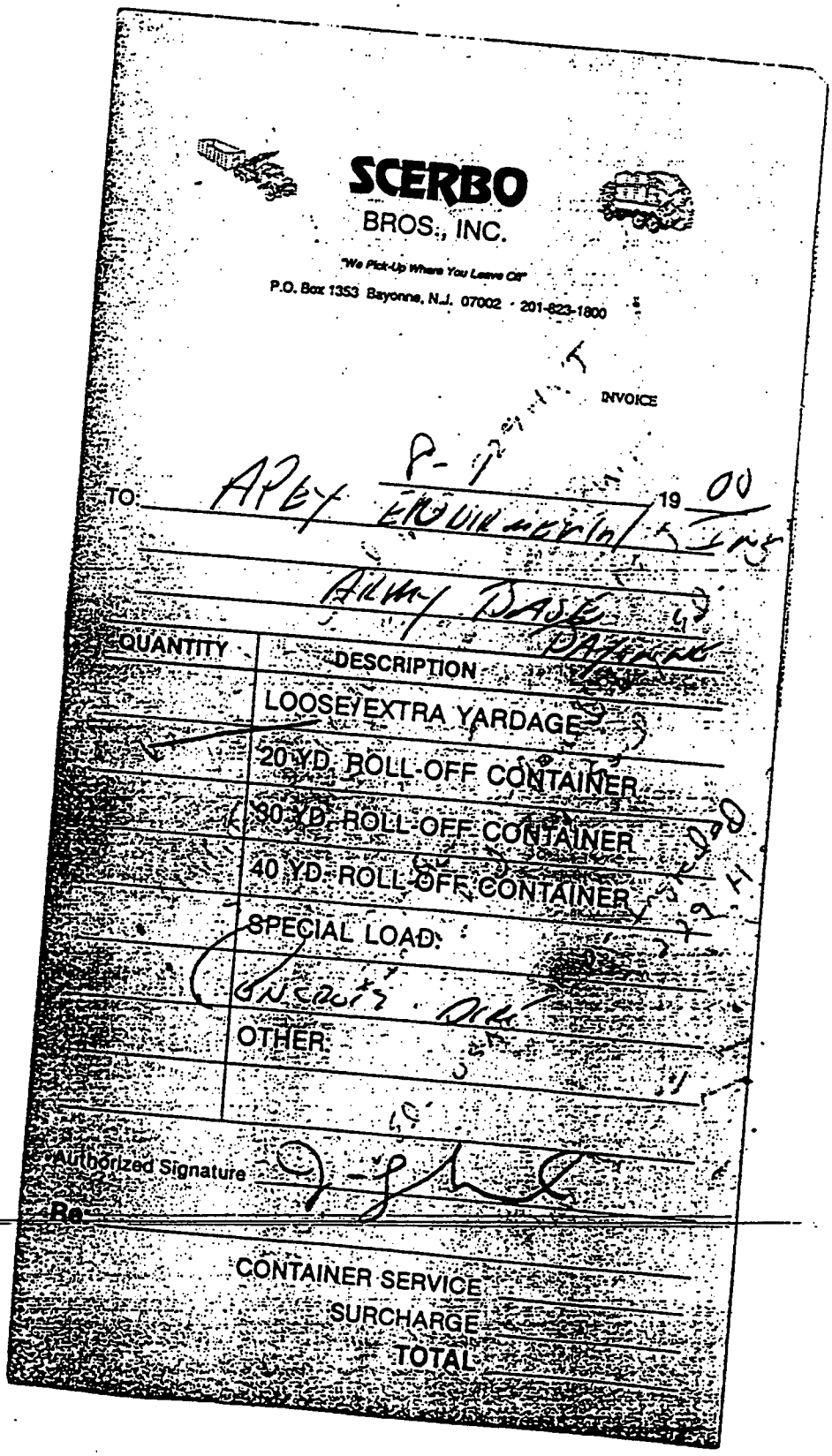
X Ed Bleyle
CUSTOMER AUTHORIZED SIGNATURE

FINISH TIME END OF DAY 4 00

JOB COMMENTS: _____

X _____
HOLDING TIME APPROVED BY/TIME & DATE

1- OFFICE COPY • 2- CUSTOMER COPY • 3-TRUCKER COPY



SCERBO
BROS., INC.
"We Pick-Up Where You Leave Off"
P.O. Box 1353 Bayonne, N.J. 07002 · 201-823-1800

INVOICE

TO APEX ENVIRONMENTAL 19 00
ARMY BASE DANANG

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER

Authorized Signature

Re:

CONTAINER SERVICE
SURCHARGE
TOTAL

SCERBO
BROS., INC.
"We Pick-Up Where You Leave Off"
P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7-21 19 00

TO: [illegible]

[illegible]

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	[illegible]
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7.20 19 86

TO: JCK Lockwood
ARMY BASE

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER:

Authorized Signature

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7. 28 19 00

TO: ARMY Environmental

Army Base
Bayonne

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	Concrete - Dirt
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7 27 19 00

TO: Lapel
Alex Ave
Bayonne

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20-YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	[illegible]
	OTHER:

Authorized Signature [signature]

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7-21 19 00

TO: APEX ENVIRONMENTAL INC.
ARMY BASE
BAYONNE

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	CONCRETE - DIRT
	OTHER:

Authorized Signature

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

INVOICE

7-21 19 00

TO: APEX ENVIRONMENTAL INC.
ARMY BASE
BAYONNE

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	CONCRETE - ASPHALT
	OTHER:

Authorized Signature

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

SCERBO
BROS., INC.

"We Pick-Up Where You Leave Off"

P.O. Box 1353 Bayonne, N.J. 07002 201-823-1800

BILL TO: ADEX Environmental
15850 Crabbs Branch Way
Rockville MD

INVOICE

7-17 19

TO:

QUANTITY	DESCRIPTION
	LOOSE/EXTRA YARDAGE
	20 YD. ROLL-OFF CONTAINER
	30 YD. ROLL-OFF CONTAINER
	40 YD. ROLL-OFF CONTAINER
	SPECIAL LOAD:
	OTHER:

Authorized Signature

Re:

CONTAINER SERVICE

SURCHARGE

TOTAL

LORCO PETROLEUM SERVICES
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
Fax: (908) 820-8412

INVOICE

0289761-IN

PERSON	DATE OF INVOICE
RP	07/12/00

JOB SITE

APEX ENVIRONMENTAL/HOBOKEN
80 RIVER STREET
SUITE 3C
HOBOKEN NJ 07030

MILITARY OCEAN TERMINAL BAYONN

ACCOUNT NO.	DATE SHIPPED		TERMS	YOUR ORDER NUMBER
022375		MANIF #31741	UPON RECEIPT	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
200.00	USED OIL REMOVAL NJ	.000	.00
1100.00	OILY WATER DISPOSAL NJ	.700	770.00
0.00	TRANSPORTATION NJ	.000	260.00

To Travis Black MOTBY

NET INVOICE: 1,030.00
SALES TAX: .00

TOTAL 1,030.00

A SERVICE CHARGE OF 1.5% WILL BE ADDED TO ALL PAST DUE BALANCES.

Thank You!

☆ RETURN YELLOW COPY WITH PAYMENT ☆

INVOICE
0289792-IN

LORCO PETROLEUM SERVICES
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
Fax: (908) 820-8412

SALESPERSON	DATE OF INVOICE
PP	07/17/00

JOB SITE

APEX ENVIRONMENTAL/HOBOKEN
80 RIVER STREET
SUITE 3C
HOBOKEN NJ 07030

MILITARY OCEAN TERMINAL BAYONN

ACCOUNT NO.	DATE SHIPPED		TERMS	YOUR ORDER NUMBER
022375		MANIF #31790	UPON RECEIPT	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1500.00	OILY WATER DISPOSAL NJ	.700	1,050.00
0.00	TRANSPORTATION NJ	.000	130.00
	NET INVOICE:		1,180.00
	SALES TAX:		.00
		TOTAL	1,180.00

To TRAVIS Black
MOTBI

A SERVICE CHARGE OF 1.5% WILL BE ADDED TO ALL PAST DUE BALANCES.

Thank You!

☆ RETURN YELLOW COPY WITH PAYMENT ☆

INVOICE
0287328-IN

LORCO PETROLEUM SERVICES
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
Fax: (908) 820-8412

SALESPERSON	DATE OF INVOICE
GL	07/20/00

JOB SITE

APEX ENVIRONMENTAL/HOBOKEN
80 RIVER STREET
SUITE 3C
HOBOKEN NJ 07030

MILITARY OCEAN TERM. BAYONNE

ACCOUNT NO.	DATE SHIPPED		TERMS	YOUR ORDER NUMBER
022375		MANIF #31880	UPON RECEIPT	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
179.00	SLUDGE DISPOSAL VAC TR	.500	89.50
0.00	TRANSPORTATION VAC TR	.000	300.00

To TRAVIS
BLACK
MOBY

NET INVOICE: 389.50
SALES TAX: .00

TOTAL 389.50

A SERVICE CHARGE OF 1.5% WILL BE ADDED TO ALL PAST DUE BALANCES.

Thank You!

☆ RETURN YELLOW COPY WITH PAYMENT ☆

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289761

GENERATOR/LOCATION

SALES ORDER # 91181

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE: BLDG. 82

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS:

CITY: BAYONNE

STATE: NJ

ZIP:

PHONE NUMBER: 201-222-9600

PURCHASE ORDER NUMBER:

TIME IN:

TIME OUT:

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX ENVIRONMENTAL

INFORMATION/ATTENTION LINE: SUITE 200

ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS: 15850 CRABBS BRANCH WA

CITY: ROCKVILLE MD

STATE: MD

ZIP: 20855

PHONE NUMBER: 201-222-9600 / 201 ~~222~~ 37620

PURCHASE ORDER NUMBER:

MANIFEST NUMBER: 31741

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
					PATSY

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL	TD72	200	OPEN UNSORT			
40300	ANTI-FREEZE REMOVAL						
40501	OILY WATER DISPOSAL	TD77	1100				770
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
[illegible]04	TANK ENTRY						
[illegible]00	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QACC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			4 HRS 65				260
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS ☐

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

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

GENERATOR'S SIGNATURE

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. INITIAL _____

$1,030

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

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

JOSEPH LOOKWOOD

Print Name

Title

Signature

Date 7-12-07

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

PAYMENT RECEIVED SECTION

CASH ☐

TOTAL RECEIVED

CHECK NUMBER

In accordance with NJAC7:26-6.7b + 40CFR PART 27 LORCO has notified the US EPA of its location and used c management activities.

PATSY A. PANDA

Print Name

Patsy A Pandya

Signature

Date

LORCO REPRESENTATIVE

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

288222

GENERATOR/LOCATION

SALES ORDER #

NAME: Military Ocean Terminal

INFORMATION/ATTENTION LINE: ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS: US RT 169 South

CITY: Bayonne STATE: NJ ZIP: 07030

PHONE NUMBER: PURCHASE ORDER NUMBER:

TIME IN: 7:30 AM TIME OUT: 10:00 AM

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX Environmental

INFORMATION/ATTENTION LINE: ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS:

CITY: STATE: ZIP:

PHONE NUMBER: PURCHASE ORDER NUMBER:

MANIFEST NUMBER: NH237760

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						
40501	OILY WATER DISPOSAL		1320 Gallons				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER			PX			
[illegible]	DRUM DISPOSAL						
[illegible]	TANK ENTRY						
40600	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS ☐

CONDITIONALLY EXEMPT 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

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. INITIAL _____ $

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

In accordance the N.J.A.C. 7:26-12.1 et seq. LORCO has the required [illegible] to accept the above described waste.

Joe Lockwood Agent for Owner/Army Corp Dept

Print Name Title

Signature 07/14/00 Date

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Katy Osborn

Print Name

Signature 07/14/00 Date

450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289792

GENERATOR/LOCATION

SALES ORDER # N/A

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE: ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS: BLDG 82

CITY: BAYONNE STATE: NJ ZIP: 07030

PHONE NUMBER: 201 -

PURCHASE ORDER NUMBER:

TIME IN: TIME OUT:

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX ENVIRONMENTAL

INFORMATION/ATTENTION LINE: SUITE 200 ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS: 15850 CRABBS BRANCH WAY

CITY: ROCKVILLE STATE: MD ZIP: 20855

PHONE NUMBER:

PURCHASE ORDER NUMBER:

MANIFEST NUMBER: 7,700

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						
40501	OILY WATER DISPOSAL						
40502	SLUDGE DISPOSAL	I72	1500	1050			1050
41001	GASOLINE/WATER		(HEN BLDG, [illegible])				
41501	DRUM DISPOSAL						
[illegible]	TANK ENTRY				45		
[illegible]	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
			2 HRS Service				130
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS

CONDITIONALLY EXEMPT 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.

E.B

GENERATOR'S SIGNATURE

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. INITIAL _____

$1180

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

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

Lockwood (Agent for Army Corp)

Print Name Title

Signature Date

GENERATOR/CUSTOMER 7-17-00

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name

Signature Date

LORCO REPRESENTATIVE

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

287328

GENERATOR/LOCATION

SALES ORDER #

NAME: MILITARY OCEAN TERMINAL

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: RT 169 South

CITY: BAYONNE

STATE

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN: 9:40

TIME OUT: 2:00

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: APEX ENV

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

ES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
0500	USED OIL REMOVAL						
0300	ANTI-FREEZE REMOVAL						
0501	OILY WATER DISPOSAL						
0502	SLUDGE DISPOSAL	TD73	179	GALLON			
1001	GASOLINE/WATER						
01	DRUM DISPOSAL		229H, 229J, 00 Bbs,				
	TANK ENTRY		82TOC, Drum, 42N				
	L FILTER REMOVAL						
0800	PARTS WASHER SERVICE						
1511	NEW 55 GAL DRUM / 17H						
1503	QAQC ANALYTICAL TESTING						
2001	DEXSIL TEST KIT TAX						
1509	TRANSPORTATION						
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS

CONDITIONALLY EXEMPT 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

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 INITIAL _____

$

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required [illegible] accept the above described waste.

Print Name: [illegible] for Army Corp.

Title

Signature

Date: 7-20-00

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

PAYMENT RECEIVED SECTION

CASH	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name: [illegible]

Signature

Date: 7-20

LORCO REPRESENTATIVE

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

289749

SALES ORDER # 91254

GENERATOR/LOCATION

NAME [redacted]

INFORMATION/ATTENTION LINE Jim Hoy

ACCOUNT APPROVAL CODE Ocean Termi

DELIVERY ADDRESS 4.169

CITY Bayonne STATE ZIP

PHONE NUMBER [redacted]

PURCHASE ORDER NUMBER

TIME IN

TIME OUT 8:30

BILL TO (IF DIFFERENT FROM LOCATION)

NAME Apex Environmental

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS 15850 Crabbs Branch Way

CITY Rockville STATE MD ZIP 20855

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER NOM 31870

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 Scott

SERVICE SECTION

SERVICE CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
0500	USED OIL REMOVAL						
0300	ANTI-FREEZE REMOVAL						
0501	OILY WATER DISPOSAL	D001	1250 GAL				
0502	SLUDGE DISPOSAL						
1001	GASOLINE/WATER						
1701	DRUM DISPOSAL			48			
	TANK ENTRY						
	FILTER REMOVAL						
0800	PARTS WASHER SERVICE						
1511	NEW 55 GAL DRUM / 17H						
1503	QAQC ANALYTICAL TESTING						
2001	DEXSIL TEST KIT TAX						
1509	TRANSPORTATION						
					TOTAL		

CUSTOMER SERVICED EVERY 30 DAYS ☑

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permit to accept the above described waste.

Name [redacted] Title

Signature Date

GENERATOR/CUSTOMER

CONDITIONALLY EXEMPT 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

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

N/A PPM

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. INITIAL _____ $

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities

Print Name [redacted]

Signature Date

LORCO REPRESENTATIVE

orco Petroleum Services
50 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

284741

GENERATOR/LOCATION

SALES ORDER # 99012

NAME: Bayonne Military

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: US RT 169 South

CITY: Bayonne

STATE: NJ

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

TIME IN

TIME OUT

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: Apex Environmental

INFORMATION/ATTENTION LINE

ACCOUNT APPROVAL CODE

DELIVERY ADDRESS: Rockville

CITY

STATE: MD

ZIP

PHONE NUMBER

PURCHASE ORDER NUMBER

MANIFEST NUMBER: 29505

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						
40501	OILY WATER DISPOSAL	ID72	250	104			175
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL				OWS		
[illegible]04	TANK ENTRY				45		
[illegible]	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	NEW 55 GAL DRUM / 17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						
		2 HRS					130
				TOTAL			

CUSTOMER SERVICED EVERY 30 DAYS

CONDITIONALLY EXEMPT 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

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. INITIAL

$ 205

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 ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other _____ Description

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 8-7-00

GENERATOR/CUSTOMER

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

CUSTOMER

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

Print Name

Signature

Date 8-7-00

LORCO REPRESENTATIVE

APPROVAL NUMBER: _____

NON-HAZARDOUS WASTE CERTIFICATION SHEET

PCB Certification

I, the undersigned, under penalty of law, do hereby certify that the material to be submitted to the Carteret Biocycle Corporation's facility does not contain polychlorinated biphenols (PCBs) at concentration greater than 2 ppm and was not derived from a source containing PCB's at a concentration greater than 50 ppm as defined in 40 CFR 761.

Herbicides/Pesticide Certification

I, the undersigned, under penalty of law , do hereby certify that the material to be submitted to the Carteret Biocycle Corporation's facility does no contain Herbicides or Pesticides at concentrations that would render it a hazardous waste as defined in 40 CFR 261.

Non-Hazardous Waste Certification

I, the undersigned under penalty of law, do hereby certify that the material to be submitted to the Carteret Biocycle Corporation's facility is not a listed hazardous waste, nor does it contain a listed hazardous waste, nor does it exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261.

The undersigned also acknowledges they have used due diligence in determining the Non-Hazardous status, of the said material, as defined in 40 CFR. Should at any time after delivery, the material accepted by Carteret Biocycle Corporation be found nonconforming to the above, it becomes the responsibility of the Generator/Agent to remove the waste from Carteret Biocycle Corporation's property within five (5) days of notification (notification is to be verbal followed by written notification, overnight reception). It is the Generator/Agent's responsibility to abide by all Federal, State, and Local regulations associated with the removal of their waste. If the waste is not removed within the specified time period, said disposal shall be arranged by a Carteret Biocycle Corporation representative and billed to the Generator/Agent at cost plus basis. Furthermore the Generator/Agent will be responsible for any and all costs for decontamination required at Carteret Biocycle Corporation's facility, that is related to the Generator/Agent's material and all liability for such nonconforming waste shall revert to the Generator/Agent.

I CERTIFY THAT I AM AUTHORIZED TO EXECUTE THIS ON BEHALF OF:

GENERATOR NAME

Brian Jackson — Project Engineer

PRINT NAME — TITLE

AUTHORIZED SIGNATURE — DATE 8-4-00

1/19/99

APPROVAL NUMBER: _____

NON-HAZARDOUS WASTE CERTIFICATION SHEET

PCB Certification

I, the undersigned, under penalty of law, do hereby certify that the material to be submitted to the Carteret Biocycle Corporation's facility does not contain polychlorinated biphenols (PCBs) at concentration greater than 2 ppm and was not derived from a source containing PCB's at a concentration greater then 50 ppm as defined in 40 CFR 761

Herbicide/Pesticide Certification

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The undersigned also acknowledges they have used due diligence in determining the Non-Hazardous status, of the said material, as defined in 40 CFR. Should at any time after delivery, the material accepted by Carteret Biocycle Corporation be found nonconforming to the above, it becomes the responsibility of the Generator/Agent to remove the waste from Carteret Biocycle Corporation's property within five (5) days of notification (notification is to be verbal followed by written notification, overnight received). It is the Generator/Agent's responsibility to abide by all Federal, State, and Local regulations associated with the removal of their waste. If the waste is not removed within the specified time period, said disposal shall be arranged by a Carteret Biocycle Corporation representative and billed to the Generator/Agent at cost plus basis. Furthermore the Generator/Agent will be responsible for any and all costs for decontamination required at Carteret Biocycle Corporation's facility, that is related to the Generator/Agents's material and all liability for such nonconforming waste shall revert to the Generator/Agent.

I CERTIFY THAT I AM AUTHORIZED TO EXECUTE THIS ON BEHALF OF:

GENERATOR NAME

Brian Jackson	Project Engineer
PRINT NAME	TITLE
[signature]	8-4-00
AUTHORIZED SIGNATURE	DATE

1/18/99

Carteret Biocycle Corporation
24 Middlesex Avenue, Carteret, NJ
Phone: 732-541-8900

Approval Number:

Contaminated Soil Profile Sheet

Generator Information:

Name: Military Ocean Terminal of Bayonne (MOTBY)

Address: MOTBY Building 82

City: Bayonne State: New Jersey Zip Code: 07002

Agent or Contact Point: Mike Baig Telephone: 201 823 7535

Company Name: Department of The ARMY

Billing Information:

Name: APEX Environmental Phone: 301 417 0200

Address: 15850 CRABBS Branch WAY Suite 200

City: Rockville State: MD Zip Code: 20855

Site Description:

Address: Military Ocean Terminal US RT 169 South

City: Bayonne State: NJ Zip Code: 07002

Existing Site Land Use: Retired military Terminal How Many Years: 50+

Previous Site Land Uses and years Each: Military Ocean Terminal

Is This Site a State or Federal Superfund Site ? _____ Yes ___ No X

Soil Description:

Source of Contamination (UST or Other): UST

Estimated Volume of Soil: 120 Tons (Approx)

Type of Contamination (Gas, Kero, #2, #4, #6 Oil, Etc.): Diesel #2

If Contamination is Other Than Above Please Specify: ✓

Is a Soil Analysis Attached to this Form: _____

Certification

I hereby certify that the above information is a true and accurate description to the best of my knowledge of the material we intend to ship to Carteret Biocycle Corporation's Facility:

Signed: Travis M Black Date: 8/4/00

Print Name: Travis M Black Title: Project Manager

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004255

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project BAYONNE/USACE:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
COMP WASTE CLASS; grab, 27-Jul-2000(1400)	Soil	000015012	28-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman 8/8/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004255

Client: APEX

Sample Id: **Submitted samples: COMP WASTE CLASS; grab collected on 27-Jul-00(14:00)**
Laboratory Sample Number: 000015012

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	01-Aug-00(20:48)
Decachlorobiphenyl(surrogate)	96 % Rec	NA	EPA-8082	MST	01-Aug-00(20:48)
Tetrachloro-m-xylene(surrogate)	90 % Rec	NA	EPA-8082	MST	01-Aug-00(20:48)
oromethane	<12 ppb-dwb	12 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Vinyl Chloride	<12 ppb-dwb	12 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Bromomethane	<12 ppb-dwb	12 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Chloroethane	<12 ppb-dwb	12 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Acetone	<120 ppb-dwb	120 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
1,1-Dichloroethene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Carbon Disulfide	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Methylene Chloride	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
trans-1,2-Dichloroethene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
1,1-Dichloroethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
2-Butanone	<120 ppb-dwb	120 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
cis-1,2-Dichloroethene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Chloroform	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
1,1,1-Trichloroethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Carbon Tetrachloride	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Benzene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
1,2-Dichloroethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Trichloroethene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
1 2 ichloropropane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
B odichloromethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
lethyl-2-Pentanone	<60 ppb-dwb	60 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
cis-1,3-Dichloropropene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Toluene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
trans-1,3-Dichloropropene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)

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Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004255

Client: APEX

Sample Id: **Submitted samples: COMP WASTE CLASS; grab collected on 27-Jul-00(14:00)**
Laboratory Sample Number: 000015012

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1,2-Trichloroethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
2-Hexanone	<60 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Tetrachloroethene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Dibromochloromethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Chlorobenzene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
E[illegible]nzene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
S[illegible]rene	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
[illegible]omoform	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
1,1,2,2-Tetrachloroethane	<6 ppb-dwb	6 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Total Xylenes	<12 ppb-dwb	12 ppb-dwb	EPA-8260B	THP	31-Jul-00(15:08)
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-8260B	THP	31-Jul-00(15:08)
1,2-Dichloroethane-d4(surrogate)	105 % Rec	NA	EPA-8260B	THP	31-Jul-00(15:08)
Toluene-d8(surrogate)	95 % Rec	NA	EPA-8260B	THP	31-Jul-00(15:08)
Bromofluorobenzene(surrogate)	91 % Rec	NA	EPA-8260B	THP	31-Jul-00(15:08)
Diesel Range Organics(C10-C28)	33 ppm-arb	10 ppm-arb	EPA-8015B	MST	03-Aug-00(17:23)
n-Pentacosane(surrogate)	100 % Rec	NA	EPA-8015B	MST	03-Aug-00(17:23)
Gasoline Range Organics(C6-C10)	<1 ppm-arb	1 ppm-arb	EPA-8015B	MRS	01-Aug-00(13:46)
Trifluorotoluene(surrogate)	111 % Rec	NA	EPA-8015B	MRS	01-Aug-00(13:46)

Gascoyne Laboratories, Inc.

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REPORT OF ANALYSIS

Report no: 0004255

Client: APEX

Sample Id: **Submitted samples: COMP WASTE CLASS; grab collected on 27-Jul-00(14:00)**
Laboratory Sample Number: 000015012

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Flashpoint	>200 °F	NA	EPA-1020A	JAW	01-Aug-00(10:30)
Residue at 105°C	86.7 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	01-Aug-00(14:35)
TCLP, Mercury(Hg)	<0.01 mg/l TC	0.01 mg/l TC	EPA-7470A	JLS	04-Aug-00(16:00)
TCLP, Arsenic(As)	<0.5 mg/l TC	0.5 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
TCLP, Barium(Ba)	<5 mg/l TC	5 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
TCLP, Cadmium(Cd)	<0.05 mg/l TC	0.05 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
TCLP, Chromium(Cr)	<0.1 mg/l TC	0.1 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
TCLP, Lead(Pb)	<0.5 mg/l TC	0.5 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
TCLP, Selenium(Se)	<0.5 mg/l TC	0.5 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
TCLP, Silver(Ag)	<0.05 mg/l TC	0.05 mg/l TC	EPA-6010B	JSM	04-Aug-00(15:45)
pH	8.0 pH units	NA	EPA-9045C	VAS	01-Aug-00(11:36)
Temperature at analysis	22.0 °C	NA	EPA-9045C	VAS	01-Aug-00(11:36)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: **0004255**

Client: **APEX**

Sample Id: **Submitted samples: COMP WASTE CLASS; grab collected on 27-Jul-00(14:00)**
Laboratory Sample Number: 000015012

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Reactive Cyanide	<1 ppm-arb	1 ppm-arb	EPA-SW-846 7.3	RED	01-Aug-00(11:40)
Reactive Sulfide	<10 ppm-arb	10 ppm-arb	EPA-SW 846 7.3	RED	01-Aug-00(12:30)

Printed on recycled paper

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

TCLP

Toxicity Characteristic Leaching Procedure

METALS	Regulatory limits mg/L
Arsenic (As)	5.0
Barium (Ba)	100.0
Cadmium (Cd)	1.0
Chromium (Cr)	5.0
Lead (Pb)	5.0
Mercury (Hg)	0.2
Selenium (Se)	1.0
Silver (Ag)	5.0

HERBICIDES/ PESTICIDES	Regulatory limits mg/L
2,4-D	10.0
2,4,5-TP (Silvex)	1.0
Chlordane	0.03
Endrin	0.02
Heptachlor and Epoxide	0.008
Lindane	0.4
Methoxychlor	10.0
Toxaphene	0.5

SEMI-VOLATILES	Regulatory limits mg/L
Total Cresols (ortho, para & meta)	200.0
2,4-Dinitrotoluene	0.13
Hexachloro-1,3-butadiene	0.5
Hexachlorobenzene	0.13
Hexachloroethane	3.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
Pyridine	5.0
1,4-Dichlorobenzene	7.5

VOLATILES	Regulatory limits mg/L
Benzene	0.50
Carbon Tetrachloride	0.50
Chlorobenzene	100.0
Chloroform	6.0
1,2-Dichloroethene	0.50
1,1-Dichloroethene	0.70
Methyl Ethyl Ketone	200.0
Tetrachloroethene	0.7
Trichloroethene	0.5
Vinyl Chloride	0.20

SAMPLE SUBMITTA CHAIN-OF-CUSTODY

Page ___ of ___

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # 10004255
Temp. Blk. ___
Cooler # ___
PUC # ___

Test Results to:
Company: APEX Environmental Inc
Contact: Travis Black
Phone No. 301 4170200
FAX No. 301 4975 0169

Sample Site/Project Bayonne/USACE
Sampler/MDOE # ___
Client's P.O. # ~~10352.013~~

5 Days TAT

RESULTS NEEDED BY: ☐ ROUTINE ☒ PRIORITY* BY: ___ TIME ___ DAY ___ DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH-DRO 8015B	VOA Method 8260	PCBs	TCLP RCRA metals	Ignitability	Corrosivity	Reactivity	TPH-GRO 8015B	COMMENTS (i.e. methods, detection limits, etc.)
		Composite waste class	7/27	1400		X	6	X	X	X	X	X	X	X	X	Please see
																attached page
																for more info.
																X TPH - if possible
																Run TPH as specified
																on attached (NJ)
																if not as listed
																on COC (8015B)
							6	X	X	X	X	X	X	X	X	

Total Number of Containers 6

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
[signature]	Travis Black	7/28/00 1820	[signature]	Tran Pham Coli	7/28/00 1820
Travis M Black					

* May Require Surcharge

WHITE COPY - LAB YELLOW - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 5.2000

CARTERET BIOCYCLE CORPORATION
Middlesex Avenue
Carteret, NJ 07008
(732) 541-8909

INVOICE DATE 8/11/00

TREATMENT INVOICE LOAD LIST

Invoice# **A-6167**
Approval# 200324
Generator MILITARY OCEAN TERMINAL OF

Load#	Rec. Date	B/L	Manifest#	Net Tons	Surcharge
12206	8/10/00		1	29.80	N/A
12216	8/10/00		2	25.00	N/A
12217	8/10/00		4	26.82	N/A
12224	8/10/00		4	23.82	N/A
12225	8/10/00		5	26.00	N/A

Delivery Report - DR & Approval#

From: 8/7/00
To: 8/11/00
Approval# 200324
Generator MILITARY OCEAN TERMINAL OF BAYONNE
Origin MILITARY OCEAN TERMINAL
RT. 169 SOUTH
BAYONNE, NJ 07622-

#Loads 5
TOTAL 131.44

Date	Ticket#	Approval #	Truck#	Loc.	Manifest#s.	Net Tons
8/10/00	12206	200324	225	A3	1	29.80
8/10/00	12216	200324	225	A3	2	25.00
8/10/00	12217	200324	225	A3	4	26.82
8/10/00	12224	200324	225	A3	4	23.82
8/10/00	12225	200324	225	A3	5	26.00

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date **8/10/00**
Time 11:31 AM
Ticket# **12206**

Approval # 200324

Type of Material	Gross	Tare	Net Tons	#Drums
DIESEL FUEL	88,100	28,500	29.80	

WM ID# 3 TOM DURANTE Signature Tom Durante
Bill of Lading#
Manifest# 1
St. Manifest#

Trans. ID# 129
Transporter G. FUSELLA TRUCKING DE-SW Permit#
Trans. Addr. 265 INDIANA AVE.
ISELIN, NJ 08830

Driver JOE Truck # 225

Customer APEX ENVIRONMENTAL, INC.
Generator MILITARY OCEAN TERMINAL OF BAYONNE
Generator Site MILITARY OCEAN TERMINAL
RT. 169 SOUTH
BAYONNE, NJ 07622

Contact 1 TRIVIS BLACK 301 417-0200
Contact 2

NOTES 1:

NOTES 2:

THANK YOU

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST # 1**

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT. MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: JOSEPH Lockwood Title: Agent for Apex Environmental OWNER - Superintendent

Signature: J. Lockwood Date: 8-10-00

TRANSPORTER
Company: G. Fusella Trucking -225 **Phone #** 732-283-4745

Address: 265 Indiana Ave. Iselin N.J. 08830

Driver: Joseph Melnick
(TYPE OR PRINT CLEARLY)

Gross Weight:
Tare Weight:
Net Weight:

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick Date: 8-10-00

DESTINATION
I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middleeex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: Tom Dunst Date: 8-10-00

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date **8/10/00**
Time 12:33 PM
Ticket# **12216**

Approval # 200324

Type of Material	Gross	Tare	Net Tons	#Drums
DIESEL FUEL	78,500	28,500	25.00	

WM ID# 3 TOM DURANTE Signature Tom Durante

Bill of Lading#
Manifest# 2
St. Manifest#

Trans. ID# 129
Transporter G. FUSELLA TRUCKING DE-SW Permit#
Trans. Addr. 265 INDIANA AVE.
ISELIN, NJ 08830

Driver JOE Truck # 225

Customer APEX ENVIRONMENTAL, INC.
Generator MILITARY OCEAN TERMINAL OF BAYONNE
Generator Site MILITARY OCEAN TERMINAL
RT. 169 SOUTH
BAYONNE, NJ 07622

Contact 1 TRIVIS BLACK 301 417-0200
Contact 2

NOTES 1:

NOTES 2:

THANK YOU

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST #** 2

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82
BAYONNE, NJ 07622

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH
BAYONNE, NJ 07622

GENERATOR'S PHONE #:

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Agent for OWNER

Name: Joseph Lockwood Title: Superintendent - Apex Env. Inc

Signature: Date: 8-10-00

TRANSPORTER
Company: G. Fusella trucking **Phone #** 732-283-4745

Address: 265 Indiana Ave Iselin N.J. 08830 **Gross Weight:**
Tare Weight:
Driver: Joseph Melnick #(225) **Net Weight:**
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick Date: 8-10-00

DESTINATION
I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: Date: 8-10-00

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date **8/10/00**
Time 12:33 PM
Ticket# **12217**

Approval # 200324

Type of Material	Gross	Tare	Net Tons	#Drums
2-OIL CONTAMINATION	82,150	28,500	26.82	

WM ID# 3 TOM DURANTE Signature

Bill of Lading#
Manifest# 4
St. Manifest#

Trans. ID# 129
Transporter G. FUSELLA TRUCKING DE-SW Permit#
Trans. Addr. 265 INDIANA AVE.
ISELIN, NJ 08830

Driver JOE Truck # 225

Customer APEX ENVIRONMENTAL, INC.
Generator MILITARY OCEAN TERMINAL OF BAYONNE
Generator Site MILITARY OCEAN TERMINAL
RT. 169 SOUTH
BAYONNE, NJ 07622

Contact 1 TRIVIS BLACK 301 417-0200
Contact 2

NOTES 1:

NOTES 2:

THANK YOU

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST # 4**

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT. MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Agent for Owner

Name: Joseph Corkwood Title: Superintendent - Apex Env. Inc.

Signature: [signature] Date: 8-10-00

TRANSPORTER

Company: G. Fusella trucking **Phone #** 732-283-4745

Address: 265 Indiana Ave Iselin N.J. **Gross Weight:**

Tare Weight:

Driver: Joseph Melnick (225) **Net Weight:**

(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature] Date: 8-10-00

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date **8/10/00**
Time 3:04 PM
Ticket# **12224**

Approval # 200324

Type of Material	Gross	Tare	Net Tons	#Drums
DIESEL FUEL	76,150	28,500	23.82	

WM ID# 3 TOM DURANTE Signature Tom Durante
Bill of Lading#
Manifest# 4
St. Manifest#

Trans. ID# 129
Transporter G. FUSELLA TRUCKING DE-SW Permit#
Trans. Addr. 265 INDIANA AVE.
ISELIN, NJ 08830

Driver JOE Truck # 225

Customer APEX ENVIRONMENTAL, INC.
Generator MILITARY OCEAN TERMINAL OF BAYONNE
Generator Site MILITARY OCEAN TERMINAL
RT. 169 SOUTH
BAYONNE, NJ 07622

Contact 1 TRIVIS BLACK 301 417-0200
Contact 2

NOTES 1:
NOTES 2:

THANK YOU

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST # 4**

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL OF BAYONNE
MOTBY BUILDING 82
BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH
BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Agent for OWNER

Name: JOSEPH Lockwood Title: Consultant - Apex Env. Inc.

Signature: Date: 8-10-00

TRANSPORTER

Company: G Fusella Trucking Phone # 732-283-4745

Address: 265 Indiana Ave Iselin N.J. 08830 Gross Weight:

Tare Weight:

Driver: Joseph Melnick trk#(225) Net Weight:
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: Date: 8-10-00

CARTERET [illegible] CORPORATION
24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date **8/10/00**
Time 3:05 PM
Ticket# **12225**

Approval # 200324

Type of Material	Gross	Tare	Net Tons	#Drums
DIESEL FUEL	80,500	28,500	26.00	

WM ID# 3 TOM DURANTE

Signature Tom Durante

Bill of Lading#
Manifest# 5
St. Manifest#

Trans. ID# 129
Transporter G. FUSELLA TRUCKING
Trans. Addr. 265 INDIANA AVE.
ISELIN, NJ 08830

DE-SW Permit#

Driver JOE

Truck # 225

Customer APEX ENVIRONMENTAL, INC.
Generator MILITARY OCEAN TERMINAL OF BAYONNE
Generator Site MILITARY OCEAN TERMINAL
RT. 169 SOUTH
BAYONNE, NJ 07622

Contact 1 TRIVIS BLACK 301 417-0200
Contact 2

NOTES 1:

NOTES 2:

THANK YOU

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST #** 5

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT. MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood

Title: Agent for Owner Superintendent Apex Env. Inc.

Signature: [signature]

Date: 8-10-00

TRANSPORTER

Company: G. Fusella truking

Phone # 732-283-4745

Address: 265 Indiana Ave. Iselin N.J. 08830

Gross Weight:

Tare Weight:

Net Weight:

Driver: Joseph Melnick
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick

Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick

Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature]

Date: 8-10-00

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST # 1**

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: JOSEPH Lockwood

Title: Apex Environmental Agent for OWNER - Supervisor

Signature: [signature]

Date: 8-10-00

TRANSPORTER

Company: G. Fusella Trucking - 225

Phone # 732-283-4745

Address: 265 Indiana Ave. Iselin NJ 08830

Gross Weight:

Tare Weight:

Net Weight:

Driver: Joseph Melnick
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick

Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick

Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature]

Date: 8-10-00

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST #** 2

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood Title: Agent for OWNER - Supervisor - Apex Env. Inc.

Signature: [signature] Date: 8-10-00

TRANSPORTER
Company: G. Fusella trucking **Phone #** 732-223-4745

Address: 265 Indiana Ave Iselin N.J. 08830 **Gross Weight:**

Tare Weight:

Driver: Joseph Melnick #7225 **Net Weight:**
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: [signature] Date: 8-10-00

DESTINATION
I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: [signature] Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature] Date: 8-10-00

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST # 4**

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL OF BAYONNE
MOTBY BUILDING 82
BAYONNE, NJ 07622

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH
BAYONNE, NJ 07622

GENERATOR'S PHONE #:

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood

Title: Agent for OWNER Superintendent - Aqua Env. Inc.

Signature: [signature]

Date: 8-10-00

TRANSPORTER

Company: G. Fusella trucking

Phone # 732-283-4745

Address: 265 Indiana Ave Iselin N.J.

Gross Weight:

Tare Weight:

Net Weight:

Driver: Joseph Melnick (225)
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick

Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature: Joseph Melnick

Date: 8-10-00

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: [signature]

Date: 8-10-00

CARTERET BIOCYCLE CORPORATION
24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST #**_____

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82
BAYONNE, NJ 07622

GENERATOR'S PHONE #:_____

GENERATOR'S PHONE #:_____

Site Address:
RT. 169 SOUTH
BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph [illegible] Title: Agent for Owner

Signature: [signature] Date: [illegible]

TRANSPORTER
Company: G. Fusella Trucking **Phone #** 732-283-474[illegible]

Address: 265 Indiana Ave. Iselin NJ 08830 **Gross Weight:**_____

Tare Weight:_____

Driver: Joseph Melnick **Net Weight:**_____
(TYPE OR PRINT CLEARLY)

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: Joseph Melnick Date: 8-10-00

DESTINATION
I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature:_____ Date:_____

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature: Date:

CARTERET BIOCYCLE CORPORATION

24 Middlesex Avenue, Carteret, NJ 07008
Tele#(732) 541-8909

(TYPE OR PRINT CLEARLY)

APPROVAL # 200324 **MANIFEST #**

GENERATOR'S NAME & ADDRESS:
MITILATY OCEAN TERMINAL
OF BAYONNE
MOTBY BUILDING 82

BAYONNE, NJ 07622

GENERATOR'S PHONE #:

GENERATOR'S PHONE #:

Site Address:
RT. 169 SOUTH

BAYONNE, NJ 07622

Est. Quanity: 22 TONS

DESCRIPTION OF MATERIAL:
NON DOT REGULATED/RCRA NON-HAZARDOUS PETROLEUM HYDROCARBON CONT.MATERIAL

I hereby certify that the above described materials is not a hazardous waste as defined by 40 CFR Part 261 nor is it contaminated by PCB as defined by 40 CFR part 761. Additionally it is the same material which was analyzed and described in the application for treatment provided to Carteret Biocycle Corporation which resulted in the approval number listed above. It is property classified and packaged for transportation in accordance with applicable regulations.

Name: Joseph Lockwood

Title: Agent for OWNER Superintendent Apex Eaw Ta

Signature: [signature]

Date: 8-10-00

TRANSPORTER

Company: G. Fi[illegible]

Phone # [illegible]

Address: [illegible] Indiana Ave Isle NJ 08830

Gross Weight:

Tare Weight:

Driver: [illegible] (TYPE OR PRINT CLEARLY)

Net Weight:

I hereby certify the above described materials were picked up at the above described generator address without incident and will be delivered without tampering of any kind.

Driver Signature: [signature]

Date: 8-10-00

DESTINATION

I hereby certify that the above described materials was delivered to Carteret Biocycle Corporation at 24 Middlesex Avenue, Carteret, New Jersey 07008

Driver Signature:

Date:

I hereby certify that the above described material has been accepted at Carteret Biocycle Corporation.

Authorized Signature:

Date:

Tri-State Salvage & Trucking
3710 Horst Lane
CHAMBERSBURG, PA 17201-9131
717-261-0504
EPA#-PAR000010991

TRANSFER OF RESPONSIBILITY
CERTIFICATE OF STORAGE TANK DISPOSAL

DATE 7-31-00

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks **ARE NOT:**

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

3 2500	Gallon tank	Former Contents	Gasoline
1 2500	Gallon tank	Former Contents	Heating Oil
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	

Owner Location

Contractor Name: Apex Environmental

Name: Bayonne Military Terminal

Address:

Bayonne N. J.

Signature: Ed Keogh

Date: 7-31-00

Salvage Facility Location

Name: **Tri-State Salvage & Trucking**

Address: **11748 Punchbowl Road,**

Mercersburg, PA 17236

Signature: Cynthia Weaver

Date: 7-31-00

2394

Tri-State Salvage & Trucking

3710 Horst Lane
CHAMBERSBURG, PA 17201-9131
717-261-0504

EPA# PAR000010991

TRANSFER OF RESPONSIBILITY
CERTIFICATE OF STORAGE TANK DISPOSAL

DATE 8-8-00

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks **ARE NOT:**

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

660	Gallon tank	Former Contents	used oil
75	Gallon tank	Former Contents	oil - water Separator
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	
	Gallon tank	Former Contents	

Owner Location

Contractor Name: Apex Environmental

Name: Bayonne Military Complex

Address: Rt 169

Bayonne, N.J.

Signature: J. [illegible]

Date: 8-8-00

Salvage Facility Location

Name: **Tri-State Salvage & Trucking**

Address: **11748 Punchbowl Road,**

Mercersburg, PA 17236

Signature: Gerald A Byers

Date: 8-8-00

2564

Tri-State Salvage & Trucking

3710 Horst Lane
CHAMBERSBURG, PA 17201-9131
717-261-0504

EPA# PAR000010991

TRANSFER OF RESPONSIBILITY
CERTIFICATE OF STORAGE TANK DISPOSAL

DATE 8-2-00

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks **ARE NOT:**

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

2-6000	Gallon tank	Former Contents	#2 Fuel oil
3-1000	Gallon tank	Former Contents	#2 Fuel oil
1-1000	Gallon tank	Former Contents	Diesel
1-100 Daytor	Gallon tank	Former Contents	Diesel
1-50	Gallon tank	Former Contents	Diesel
50	Gallon tank	Former Contents	oil-water seperator
X	Gallon tank	Former Contents	X
X	Gallon tank	Former Contents	X

Owner Location

Contractor Name: Aepex Environmental

Name: Joe Lockwood

Address: MOTBY, 82/1
Bayonne, N.J.

Signature: J. [illegible]

Date: 8/2/00

Salvage Facility Location

Name: **Tri-State Salvage & Trucking**

Address: **11748 Punchbowl Road,**
Mercersburg, PA 17236

Signature: Gerald A Byers

Date: 8-2-00

2562

JUL-24-2000 MON 16:35 TO:GREY ENVIRON

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

0004531

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY	
Report #	~~0004530~~
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Environmental
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project: MOTBY - 450W & 450WT
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC - 418.1	VOA+10, BN+15, PPM, PCBs							COMMENTS (i.e. methods, detection limits, etc.)
	SO	• 450W - 01	8/8	1110		X	1	X								
	SO	• 450W - 01A	8/8	1112		X	1		X							Hold pending TPHC
	SO	• 450W - 02	8/8	1115		X	1	X								
	SO	• 450W - 02A	8/8	1117		X	1		X							" "
	SO	• 450W - 03	8/8	1120		X	1	X								
	SO	• 450W - 03A	8/8	1121		X	1		X							" "
	SO	• 450W - 04	8/8	1123		X	1	X								
	SO	• 450W - 04A	8/8	1125		X	1		X							" "
	SO	• 450W - 05	8/8	1127		X	1	X								
	SO	• 450W - 05A	8/8	1130		X	1		X							" "

Hold pending Authorization

Total Number of Containers: 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
[signature]	Joe Lockwood	8-9-00	FED EX		
FED EX			Melanie House Kreut	All	8/11/00 0935

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

0004531

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste-Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY

Report # 0004530
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: Apex Environmental
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project NOTBY-450W & 450WT
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC 418.1	VOA+10(8200), PCB, PPNC B/N+15							COMMENTS (i.e. methods, detection limits, etc.)
	SO	•450W-05D	8/8	1135		X	1	X								
	SO	•450W-05DA	8/8	1137		X	1		X							Hold pending TPHC
	SO	•450WT-06	8/8	1140		X	1	X								
	SO	•450WT-06A	8/8	1141		X	1		X							" "
	SO	•450WT-07	8/8	1143		X	1	X								
	SO	•450WT 07A	8/8	1145		X	1		X							" "
	SO	•450WT-08	8/8	1150		X	1	X								
	SO	•450WT-08A	8/8	1153		X	1		X							" "
	SO	•450WT-09	8/8	1155		X	1	X								
	SO	•450WT-09A	8/8	1157		X	1		X							" "

Hold pending Authorization

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
[signature]	JOE Lockwood	8-9-00	FED EX		
FED EX			[signature]	Gu	8/11/00 0935

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

0004531

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # ~~0004530~~
Temp. Blk.
Cooler #
PUC #

Test Results to:
Company: APEX Environmental
Contact: TRAVIS B/tck
Phone No. 301-417-0200
FAX No. 301-417-0267

Sample Site/Project 450W & 450WT
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED: TPHC-418.1; VOA+10, 8N+15, PCBS, PPM; Hold pending Authorization

LAB USE ONLY / LIMS NO	SAMPLE TYPE USE CODES ABOVE (Fertilizable)	SAMPLE IDENTIFICATION (Keep Brief Approx. 12 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC-418.1	VOA+10, 8N+15, PCBS, PPM						COMMENTS (Use methods, reservation limits, etc.)
	SO	450WT-10D	8/8	1201		X	1	X							
	SO	450WT-10DA	8/8	1205		X	1		X						CL "

Total Number of Containers 2

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
[signature]	Joe Lockwood/APEX	8-9-00	FED EX		
FED EX			Melanie Housekrecht	All	8/11/00 0935

501 5 2000

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1300

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004531

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
450W-01; grab, 07-Aug-2000(1110)	Soil	000015973	11-Aug-2000
450W-02; grab, 07-Aug-2000(1115)	Soil	000015974	11-Aug-2000
450W-03; grab, 07-Aug-2000(1120)	Soil	000015975	11-Aug-2000
450W-04; grab, 07-Aug-2000(1123)	Soil	000015976	11-Aug-2000
450W-05; grab, 07-Aug-2000(1127)	Soil	000015977	11-Aug-2000
450W-05D; grab, 07-Aug-2000(1135)	Soil	000015978	11-Aug-2000
450WT-06; grab, 07-Aug-2000(1140)	Soil	000015979	11-Aug-2000
450WT-07; grab, 07-Aug-2000(1143)	Soil	000015980	11-Aug-2000
450WT-08; grab, 07-Aug-2000(1150)	Soil	000015981	11-Aug-2000
450WT-09; grab, 07-Aug-2000(1155)	Soil	000015982	11-Aug-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004531

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
450WT-10D; grab, 07-Aug-2000(1201)	Soil	000015983	11-Aug-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/22/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004531
Report to: APEX

Total Petroleum Hydrocarbons EPA-418.1M

Client Sample ID	Laboratory Sample Number	Test Results	Laboratory Reporting Limit	Analyst	Date/Time of Analysis
450W-01; grab dated 08/07/00(11:10)	000015973	8200 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450W-02; grab dated 08/07/00(11:15)	000015974	8400 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450W-03; grab dated 08/07/00(11:20)	000015975	8100 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
[redacted]-04; grab dated 08/07/00(11:23)	000015976	6200 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450W-05; grab dated 08/07/00(11:27)	000015977	11000 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450W-05D; grab dated 08/07/00(11:35)	000015978	2300 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450WT-06; grab dated 08/07/00(11:40)	000015979	200 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450WT-07; grab dated 08/07/00(11:43)	000015980	830 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450WT-08; grab dated 08/07/00(11:50)	000015981	1200 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450WT-09; grab dated 08/07/00(11:55)	000015982	110 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)
450WT-10D; grab dated 08/07/00(12:01)	000015983	750 ppm-arb	10 ppm-arb	BAB	16-Aug-00(12:00)

Gascoyne Laboratories, Inc.

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REPORT OF ANALYSIS

Report No: 0004680

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-45OW/WT:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
450W-02A; grab, 07-Aug-2000(1117)	Soil	000016517	11-Aug-2000
450W-03A; grab, 07-Aug-2000(1121)	Soil	000016518	11-Aug-2000
450W-05A; grab, 07-Aug-2000(1130)	Soil	000016519	11-Aug-2000
450WT-08A; grab, 07-Aug-2000(1153)	Soil	000016520	11-Aug-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/29/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1200

FAX NO. (410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-02A; grab collected on 07-Aug-00(11:17)**
Laboratory Sample Number: 000016517

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	24-Aug-00(04:10)
Decachlorobiphenyl(surrogate)	77 % Rec	NA	EPA-8082	MST	24-Aug-00(04:10)
Tetrachloro-m-xylene(surrogate)	77 % Rec	NA	EPA-8082	MST	24-Aug-00(04:10)

Sample/Test Notes:
Sample received at ambient temperature.

4,6-Dinitro-2-Methyl Phenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,4-Dinitrophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2-Nitrophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2-Methylphenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,4-Dimethylphenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,4-Dichlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,4,5-Trichlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
4-Methylphenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
4-Chloro-3-Methyl Phenol	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
4-Nitrophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Pentachlorophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Phenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2-Chlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,4,6-Trichlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2-Fluorophenol(surrogate)	60 % Rec	NA	EPA-8270C	THP	24-Aug-00(22:08)
Phenol-d5(surrogate)	53 % Rec	NA	EPA-8270C	THP	24-Aug-00(22:08)
2,4,6-Tribromophenol(surrogate)	96 % Rec	NA	EPA-8270C	THP	24-Aug-00(22:08)

Sample/Test Notes:
Sample received at ambient temperature.

4-Chloroaniline	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
4-Chlorophenyl Phenyl Ether	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,4-Dinitrotoluene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-02A; grab collected on 07-Aug-00(11:17)**
Laboratory Sample Number: 000016517

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bis(2-Ethylhexyl)Phthalate	1.1 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2-Methylnaphthalene	21 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	25-Aug-00(14:34)
2-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
3,3'-Dichlorobenzidine	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
3-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
1,2,4-Trichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
1,2-Dichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
1,4-Dichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
4-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Acenaphthylene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Acenaphthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Anthracene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Benzo(g,h,i)Perylene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Benzo(a)Anthracene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Benzo(a)Pyrene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Benzo(b)Fluoranthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Benzo(k)Fluoranthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Bis(2-Chloroethoxy)Methane	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
4-Bromophenyl Phenyl Ether	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
1,3-Dichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2-Chloronaphthalene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Butyl Benzyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Carbazole	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Chrysene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Hexachlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Hexachlorobutadiene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Hexachlorocyclopentadiene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Hexachloroethane	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Dibenz(a,h)Anthracene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Dibenzofuran	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-02A; grab collected on 07-Aug-00(11:17)**
Laboratory Sample Number: 000016517

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diethyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Dimethyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Di-n-Octyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Fluoranthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
[illegible]orene	0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Indeno(1,2,3-cd)Pyrene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Isophorone	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Naphthalene	9.3 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	25-Aug-00(14:34)
Nitrobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
N-Nitrosodiphenylamine	0.96 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
N-Nitrosodi-N-propylamine	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Phenanthrene	1.0 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Pyrene	0.55 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Bis(2-Chloroisopropyl)Ether	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
2,6-Dinitrotoluene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(22:08)
Nitrobenzene-d5(surrogate)	46 % Rec	NA	EPA-8270C	THP	24-Aug-00(22:08)
2-Fluorobiphenyl(surrogate)	80 % Rec	NA	EPA-8270C	THP	24-Aug-00(22:08)
Terphenyl-d14(surrogate)	59 % Rec	NA	EPA-8270C	THP	24-Aug-00(22:08)

Sample/Test Notes:
Sample received at ambient temperature.

Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Vinyl Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
[illegible]omomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
[illegible]hloroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Acetone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
1,1-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Carbon Disulfide	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Methylene Chloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
[illegible]	[illegible]	[illegible]	EPA-8260B	THP	18-Aug-00(21:22)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-02A; grab collected on 07-Aug-00(11:17)**
Laboratory Sample Number: 000016517

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
cis-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Chloroform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
1,1,1-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Carbon Tetrachloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Benzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
1,2-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Trichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
1,2-Dichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Bromodichloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
4-Methyl-2-Pentanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
cis-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Toluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
trans-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
1,1,2-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
2-Hexanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Tetrachloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Dibromochloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Chlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Ethylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Styrene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Bromoform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
1,1,2,2-Tetrachloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Total Xylenes	15 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:22)
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:22)
1,2-Dichloroethane-d4(surrogate)	107 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:22)
Toluene-d8(surrogate)	104 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:22)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-02A; grab collected on 07-Aug-00(11:17)**
Laboratory Sample Number: 000016517

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	117 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:22)
Sample/Test Notes: Sample received at ambient temperature.					
Residue at 105°C	89.1 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	22-Aug-00(14:12)
Mercury(Hg)	<0.03 ppm-dwb	0.03 ppm-dwb	EPA-7471A	JLS	22-Aug-00(13:16)
Antimony(Sb)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Arsenic(As)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Beryllium(Be)	0.27 ppm-dwb	0.25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Cadmium(Cd)	<0.50 ppm-dwb	0.50 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Chromium(Cr)	9.4 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Copper(Cu)	11 ppm-dwb	0.5 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Lead(Pb)	11 ppm-dwb	5.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Nickel(Ni)	11 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Selenium(Se)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Silver(Ag)	<1.0 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Thallium(Tl)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)
Zinc(Zn)	28 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:45)

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Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-03A; grab collected on 07-Aug-00(11:21)**
Laboratory Sample Number: 000016518

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	24-Aug-00(04:43)
Decachlorobiphenyl(surrogate)	81 % Rec	NA	EPA-8082	MST	24-Aug-00(04:43)
Tetrachloro-m-xylene(surrogate)	83 % Rec	NA	EPA-8082	MST	24-Aug-00(04:43)

Sample/Test Notes:
Sample received at ambient temperature.

4,6-Dinitro-2-Methyl Phenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,4-Dinitrophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2-Nitrophenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2-Methylphenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,4-Dimethylphenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,4-Dichlorophenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,4,5-Trichlorophenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
4-Methylphenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
4-Chloro-3-Methyl Phenol	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
4-Nitrophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Pentachlorophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Phenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2-Chlorophenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,4,6-Trichlorophenol	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2-Fluorophenol(surrogate)	58 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:46)
Phenol-d5(surrogate)	47 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:46)
2,4,6-Tribromophenol(surrogate)	84 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:46)

Sample/Test Notes:
Sample received at ambient temperature.

4-Chloroaniline	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
4-Chlorophenyl Phenyl Ether	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,4-Dinitrotoluene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-03A; grab collected on 07-Aug-00(11:21)**
Laboratory Sample Number: 000016518

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bis(2-Ethylhexyl)Phthalate	0.82 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2-Methylnaphthalene	18 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	25-Aug-00(15:15)
2-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
3,3'-Dichlorobenzidine	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
[redacted]itroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
1,2,4-Trichlorobenzene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
1,2-Dichlorobenzene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
1,4-Dichlorobenzene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
4-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Acenaphthylene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Acenaphthene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Anthracene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Benzo(g,h,i)Perylene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Benzo(a)Anthracene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Benzo(a)Pyrene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Benzo(b)Fluoranthene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Benzo(k)Fluoranthene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Bis(2-Chloroethoxy)Methane	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
4-Bromophenyl Phenyl Ether	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
1,3-Dichlorobenzene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2-Chloronaphthalene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Butyl Benzyl Phthalate	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Carbazole	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Chrysene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
[redacted]xachlorobenzene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Hexachlorobutadiene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Hexachlorocyclopentadiene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Hexachloroethane	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Dibenz(a,h)Anthracene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Dibenzofuran	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-03A; grab collected on 07-Aug-00(11:21)**
Laboratory Sample Number: 000016518

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diethyl Phthalate	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Dimethyl Phthalate	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Di-n-Octyl Phthalate	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Fluoranthene	0.58 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
[illegible]orene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Indeno(1,2,3-cd)Pyrene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Isophorone	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Naphthalene	5.3 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Nitrobenzene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
N-Nitrosodiphenylamine	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
N-Nitrosodi-N-propylamine	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Phenanthrene	1.0 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Pyrene	0.52 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Bis(2-Chloroisopropyl)Ether	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
2,6-Dinitrotoluene	<0.38 ppm-dwb	0.38 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:46)
Nitrobenzene-d5(surrogate)	106 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:46)
2-Fluorobiphenyl(surrogate)	71 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:46)
Terphenyl-d14(surrogate)	52 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:46)

Sample/Test Notes:
Sample received at ambient temperature.

Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Vinyl Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
[illegible]romomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
[illegible]hloroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Acetone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
1,1-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Carbon Disulfide	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Methylene Chloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
trans-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-03A; grab collected on 07-Aug-00(11:21)**
Laboratory Sample Number: 000016518

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
cis-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Chloroform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
1,1,1-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Carbon Tetrachloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Benzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
1,2-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Trichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
1,2-Dichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Bromodichloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
4-Methyl-2-Pentanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
cis-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Toluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
trans-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
1,1,2-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
2-Hexanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Tetrachloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Dibromochloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Chlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Ethylbenzene	3 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Styrene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Bromoform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
1,1,2,2-Tetrachloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Total Xylenes	7 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(21:54)
Dibromofluoromethane(surrogate)	103 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:54)
1,2-Dichloroethane-d4(surrogate)	104 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:54)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:54)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-03A; grab collected on 07-Aug-00(11:21)**
Laboratory Sample Number: 000016518

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	127 % Rec	NA	EPA-8260B	THP	18-Aug-00(21:54)
Sample/Test Notes: Sample received at ambient temperature.					
[redacted]sidue at 105°C	88.4 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	22-Aug-00(14:12)
Mercury(Hg)	<0.03 ppm-dwb	0.03 ppm-dwb	EPA-7471A	JLS	22-Aug-00(13:23)
Antimony(Sb)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Arsenic(As)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Beryllium(Be)	0.26 ppm-dwb	0.25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Cadmium(Cd)	<0.50 ppm-dwb	0.50 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Chromium(Cr)	10 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Copper(Cu)	7.5 ppm-dwb	0.5 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Lead(Pb)	11 ppm-dwb	5.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Nickel(Ni)	11 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Selenium(Se)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
Silver(Ag)	<1.0 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
[redacted]allium(Tl)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)
[redacted]c(Zn)	31 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:56)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-05A; grab collected on 07-Aug-00(11:30)**
Laboratory Sample Number: 000016519

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	24-Aug-00(05:16)
Decachlorobiphenyl(surrogate)	88 % Rec	NA	EPA-8082	MST	24-Aug-00(05:16)
Tetrachloro-m-xylene(surrogate)	95 % Rec	NA	EPA-8082	MST	24-Aug-00(05:16)

Sample/Test Notes:
mple received at ambient temperature.

4,6-Dinitro-2-Methyl Phenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,4-Dinitrophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Nitrophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Methylphenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,4-Dimethylphenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,4-Dichlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,4,5-Trichlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
4-Methylphenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
4-Chloro-3-Methyl Phenol	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
4-Nitrophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Pentachlorophenol	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Phenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Chlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,4,6-Trichlorophenol	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Fluorophenol(surrogate)	69 % Rec	NA	EPA-8270C	THP	24-Aug-00(21:27)
Phenol-d5(surrogate)	60 % Rec	NA	EPA-8270C	THP	24-Aug-00(21:27)
2,4,6-Tribromophenol(surrogate)	87 % Rec	NA	EPA-8270C	THP	24-Aug-00(21:27)

mple/Test Notes:
mple received at ambient temperature.

4-Chloroaniline	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
4-Chlorophenyl Phenyl Ether	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,4-Dinitrotoluene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-05A; grab collected on 07-Aug-00(11:30)**
Laboratory Sample Number: 000016519

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bis(2-Ethylhexyl)Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Methylnaphthalene	0.64 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
3,3'-Dichlorobenzidine	<0.75 ppm-dwb	0.75 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
itroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
,2,4-Trichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
1,2-Dichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
1,4-Dichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
4-Nitroaniline	<1.9 ppm-dwb	1.9 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Acenaphthylene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Acenaphthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Anthracene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Benzo(g,h,i)Perylene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Benzo(a)Anthracene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Benzo(a)Pyrene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Benzo(b)Fluoranthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Benzo(k)Fluoranthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Bis(2-Chloroethoxy)Methane	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
4-Bromophenyl Phenyl Ether	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
1,3-Dichlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2-Chloronaphthalene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Butyl Benzyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Carbazole	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Chrysene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
xachlorobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Hexachlorobutadiene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Hexachlorocyclopentadiene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Hexachloroethane	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Dibenz(a,h)Anthracene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Dibenzofuran	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-05A; grab collected on 07-Aug-00(11:30)**
Laboratory Sample Number: 000016519

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diethyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Dimethyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Di-n-Octyl Phthalate	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Fluoranthene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
[illegible]orene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
[illegible]deno(1,2,3-cd)Pyrene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Isophorone	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Naphthalene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Nitrobenzene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
N-Nitrosodiphenylamine	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
N-Nitrosodi-N-propylamine	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Phenanthrene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Pyrene	0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Bis(2-Chloroisopropyl)Ether	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
2,6-Dinitrotoluene	<0.37 ppm-dwb	0.37 ppm-dwb	EPA-8270C	THP	24-Aug-00(21:27)
Nitrobenzene-d5(surrogate)	63 % Rec	NA	EPA-8270C	THP	24-Aug-00(21:27)
2-Fluorobiphenyl(surrogate)	80 % Rec	NA	EPA-8270C	THP	24-Aug-00(21:27)
Terphenyl-d14(surrogate)	67 % Rec	NA	EPA-8270C	THP	24-Aug-00(21:27)

Sample/Test Notes:
Sample received at ambient temperature.

Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Vinyl Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
[illegible]romomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
[illegible]loroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Acetone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
1,1-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Carbon Disulfide	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Methylene Chloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
trans-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: Submitted samples: 450W-05A; grab collected on 07-Aug-00(11:30)
Laboratory Sample Number: 000016519

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
cis-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Chloroform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
1,1,1-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Carbon Tetrachloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Benzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
1,2-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Trichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
1,2-Dichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Bromodichloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
4-Methyl-2-Pentanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
cis-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Toluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
trans-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
1,1,2-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
2-Hexanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Tetrachloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Dibromochloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Chlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Ethylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Styrene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Bromoform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
1,1,2,2-Tetrachloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:26)
Dibromofluoromethane(surrogate)	101 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:26)
1,2-Dichloroethane-d4(surrogate)	106 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:26)
Toluene-d8(surrogate)	103 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:26)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450W-05A; grab collected on 07-Aug-00(11:30)**
Laboratory Sample Number: 000016519

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	122 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:26)
Sample/Test Notes: Sample received at ambient temperature.					
[redacted]sidue at 105°C	89.0 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	22-Aug-00(14:12)
Mercury(Hg)	0.06 ppm-dwb	0.03 ppm-dwb	EPA-7471A	JLS	22-Aug-00(13:26)
Antimony(Sb)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Arsenic(As)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Beryllium(Be)	0.51 ppm-dwb	0.25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Cadmium(Cd)	0.71 ppm-dwb	0.50 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Chromium(Cr)	19 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Copper(Cu)	22 ppm-dwb	0.5 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Lead(Pb)	15 ppm-dwb	5.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Nickel(Ni)	25 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Selenium(Se)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Silver(Ag)	<1.0 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
Thallium(Tl)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)
[redacted]c(Zn)	100 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:00)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450WT-08A; grab collected on 07-Aug-00(11:53)**
Laboratory Sample Number: 000016520

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	24-Aug-00(05:49)
Decachlorobiphenyl(surrogate)	92 % Rec	NA	EPA-8082	MST	24-Aug-00(05:49)
Tetrachloro-m-xylene(surrogate)	103 % Rec	NA	EPA-8082	MST	24-Aug-00(05:49)

Sample/Test Notes:
Sample received at ambient temperature.

4,6-Dinitro-2-Methyl Phenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,4-Dinitrophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Nitrophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Methylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,4-Dimethylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,4-Dichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,4,5-Trichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
4-Methylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
4-Chloro-3-Methyl Phenol	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
4-Nitrophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Pentachlorophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Phenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Chlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,4,6-Trichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Fluorophenol(surrogate)	62 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:05)
Phenol-d5(surrogate)	56 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:05)
2,4,6-Tribromophenol(surrogate)	70 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:05)

Sample/Test Notes:
Sample received at ambient temperature.

4-Chloroaniline	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
4-Chlorophenyl Phenyl Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,4-Dinitrotoluene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450WT-08A; grab collected on 07-Aug-00(11:53)**
Laboratory Sample Number: 000016520

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bis(2-Ethylhexyl)Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Methylnaphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
3,3'-Dichlorobenzidine	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
3-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
1,2,4-Trichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
1,2-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
1,4-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
4-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Acenaphthylene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Acenaphthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Benzo(g,h,i)Perylene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Benzo(a)Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Benzo(a)Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Benzo(b)Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Benzo(k)Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Bis(2-Chloroethoxy)Methane	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
4-Bromophenyl Phenyl Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
1,3-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2-Chloronaphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Butyl Benzyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Carbazole	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Chrysene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Hexachlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Hexachlorobutadiene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Hexachlorocyclopentadiene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Hexachloroethane	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Dibenz(a,h)Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Dibenzofuran	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450WT-08A; grab collected on 07-Aug-00(11:53)**
Laboratory Sample Number: 000016520

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diethyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Dimethyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Di-n-Octyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Fluoranthene	0.39 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Fluorene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
ene(1,2,3-cd)Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Isophorone	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Naphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Nitrobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
N-Nitrosodiphenylamine	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
N-Nitrosodi-N-propylamine	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Phenanthrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Bis(2-Chloroisopropyl)Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
2,6-Dinitrotoluene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(20:05)
Nitrobenzene-d5(surrogate)	52 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:05)
2-Fluorobiphenyl(surrogate)	69 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:05)
Terphenyl-d14(surrogate)	65 % Rec	NA	EPA-8270C	THP	24-Aug-00(20:05)

Sample/Test Notes:
Sample received at ambient temperature.

Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Vinyl Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Bromomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
roethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
cetone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
1,1-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Carbon Disulfide	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Methylene Chloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
trans-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1200

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450WT-08A; grab collected on 07-Aug-00(11:53)**
Laboratory Sample Number: 000016520

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
cis-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Chloroform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
1,1,1-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Carbon Tetrachloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Benzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
1,2-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Trichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
1,2-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Bromodichloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
4-Methyl-2-Pentanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
cis-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Toluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
trans-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
1,1,2-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
2-Hexanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Tetrachloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Dibromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Chlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Ethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Styrene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Bromoform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
1,1,2,2-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(22:58)
Dibromofluoromethane(surrogate)	103 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:58)
1,2-Dichloroethane-d4(surrogate)	108 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:58)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:58)

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REPORT OF ANALYSIS

Report no: 0004680

Client: APEX

Sample Id: **Submitted samples: 450WT-08A; grab collected on 07-Aug-00(11:53)**
Laboratory Sample Number: 000016520

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	98 % Rec	NA	EPA-8260B	THP	18-Aug-00(22:58)
Sample/Test Notes: Sample received at ambient temperature.					
[illegible]sidue at 105°C	92.2 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	22-Aug-00(14:12)
Mercury(Hg)	0.03 ppm-dwb	0.01 ppm-dwb	EPA-7471A	JLS	22-Aug-00(13:28)
Antimony(Sb)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Arsenic(As)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Beryllium(Be)	0.35 ppm-dwb	0.25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Cadmium(Cd)	0.59 ppm-dwb	0.50 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Chromium(Cr)	19 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Copper(Cu)	23 ppm-dwb	0.5 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Lead(Pb)	28 ppm-dwb	5.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Nickel(Ni)	18 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Selenium(Se)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Silver(Ag)	<1.0 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
Thallium(Tl)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)
[illegible]c(Zn)	48 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(21:03)

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 18 Aug 2000 21:22
Data File: C:\HPCHEM\1\DATA\AUG1800\FA267.D
Name: APEX, 450W-02A (5.00G/10ML)
Misc: APEX, 450W-02A, 100UL/5ML + 1UL H89-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Nonane	17.45	121.5	ug/L	000111-84-2
Cyclohexane, propyl-	18.23	63.7	ug/L	001678-92-8
Nonane	19.02	266.6	ug/L	000111-84-2
Benzene, 1-ethyl-2-methyl-	19.35	75.8	ug/L	000611-14-3
Cyclohexane, butyl-	19.73	62.2	ug/L	001678-93-9
Benzene, 1,4-diethyl-	20.23	76.0	ug/L	000105-05-5
Undecane	20.26	122.2	ug/L	001120-21-4
Benzene, 1-ethyl-2,4-dimethyl-	20.60	53.7	ug/L	000874-41-9
Benzene, 2,4-dimethyl-1-(1-methylethyl)-	21.89	55.5	ug/L	004706-89-2
Benzocycloheptatriene	23.47	85.8	ug/L	000264-09-5

FA267.D HOWARDW.M Fri Aug 25 06:37:52 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 24 Aug 2000 22:08
Data File: C:\HPCHEM\1\DATA\AUG2400\HB212.D
Name: 0004680-016517
Misc: APEX, 450W-02A, 30:1+X119-4
Method: C:\HPCHEM\1\METHODS\BNAAUG17.M (RTE Integrator)
Title: GLI BNA Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Nonane, 4-methyl-	4.68	102.1	ug/L	18634000	ISTD01	5.76	7298640	40.0
Benzene, 1-ethyl-2-m	4.86	128.4	ug/L	23422100	ISTD01	5.76	7298640	40.0
Decane	5.32	260.8	ug/L	47595900	ISTD01	5.76	7298640	40.0
Benzene, 1,3,5-trime	5.40	129.6	ug/L	23651400	ISTD01	5.76	7298640	40.0
Heptane, 3,3,5-trime	5.68	108.6	ug/L	19809900	ISTD01	5.76	7298640	40.0
Benzene, 1,2,3-trime	5.90	294.3	ug/L	53695600	ISTD01	5.76	7298640	40.0
1,4-Dichlorobenzene-	6.17	98.3	ug/L	17936600	ISTD01	5.76	7298640	40.0
Benzene, 1-methyl-3-	6.35	201.4	ug/L	36743100	ISTD01	5.76	7298640	40.0
Decane, 3-methyl-	6.50	146.8	ug/L	26782200	ISTD01	5.76	7298640	40.0
Benzene, 1-methyl-2-	6.85	93.0	ug/L	16972300	ISTD01	5.76	7298640	40.0
Undecane	7.06	443.0	ug/L	80841200	ISTD01	5.76	7298640	40.0
Dodecane, 2,6,10-tri	11.60	148.3	ug/L	6829940	ISTD03	13.66	1842790	40.0
Tetradecane	12.01	425.3	ug/L	19591900	ISTD03	13.66	1842790	40.0
Naphthalene, 2,6-dim	12.44	219.6	ug/L	10116600	ISTD03	13.66	1842790	40.0
Naphthalene, 1,5-dim	12.69	287.9	ug/L	13263900	ISTD03	13.66	1842790	40.0
Naphthalene, 2,7-dim	12.75	223.4	ug/L	10293700	ISTD03	13.66	1842790	40.0
Undecane, 2,6-dimeth	12.91	146.9	ug/L	6765550	ISTD03	13.66	1842790	40.0
Pentadecane	13.51	311.4	ug/L	14343900	ISTD03	13.66	1842790	40.0
Pentadecane	14.92	149.6	ug/L	6893000	ISTD03	13.66	1842790	40.0
Sulfur, mol. (S8)	20.92	101.9	ug/L	6526360	ISTD04	17.87	2561120	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 18 Aug 2000 21:54
Data File: C:\HPCHEM\1\DATA\AUG1800\FA268.D
Name: APEX, 450W-03A (5.00G/10ML)
Misc: APEX, 450W-03A, 100UL/5ML + 1UL H89-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Nonane	17.45	105.6	ug/L	000111-84-2
Cyclohexane, propyl-	18.23	55.1	ug/L	001678-92-8
Benzene, 1-ethyl-2-methyl-	19.02	199.5	ug/L	000611-14-3
Benzene, 1-ethyl-2-methyl-	19.35	64.0	ug/L	000611-14-3
Cyclohexane, butyl-	19.73	46.1	ug/L	001678-93-9
Benzene, 1-ethyl-2,3-dimethyl-	20.23	74.3	ug/L	000933-98-2
Undecane	20.26	62.5	ug/L	001120-21-4
Benzene, 1-ethyl-2,4-dimethyl-	20.60	45.1	ug/L	000874-41-9
Benzene, 1,3-diethyl-5-methyl-	21.76	42.7	ug/L	002050-24-0
Benzocycloheptatriene	23.47	73.1	ug/L	000264-09-5

FA268.D HOWARDW.M Fri Aug 25 06:37:31 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 24 Aug 2000 20:46
Data File: C:\HPCHEM\1\DATA\AUG2400\HB210.D
Name: 0004680-016518
Misc: APEX, 450W-03A, 30:1+X119-4
Method: C:\HPCHEM\1\METHODS\BNAAUG17.M (RTE Integrator)
Title: GLI BNA Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Decane	5.29	148.2	ug/L	24135700	ISTD01	5.74	6513770	40.0
Benzene, 1-methyl-3-	6.36	159.6	ug/L	25988200	ISTD01	5.74	6513770	40.0
Undecane	7.00	235.2	ug/L	38307000	ISTD01	5.74	6513770	40.0
Heptadecane	7.38	165.1	ug/L	10787200	ISTD02	8.79	2613950	40.0
Benzene, 1-ethyl-4-(	7.47	152.7	ug/L	9980490	ISTD02	8.79	2613950	40.0
Benzene, 1,2,4,5-tet	7.58	221.8	ug/L	14496800	ISTD02	8.79	2613950	40.0
Benzene, 1,3-diethyl	7.96	405.1	ug/L	26473500	ISTD02	8.79	2613950	40.0
Nonane, 5-(2-methylp	8.10	149.3	ug/L	9754630	ISTD02	8.79	2613950	40.0
2,3-Dihydro-1-methyl	8.15	151.9	ug/L	9926840	ISTD02	8.79	2613950	40.0
Undecane, 3-methyl-	8.22	125.3	ug/L	8191250	ISTD02	8.79	2613950	40.0
Benzene, (1,1-dimeth	8.51	167.9	ug/L	10968900	ISTD02	8.79	2613950	40.0
Tridecane	8.73	213.7	ug/L	13965800	ISTD02	8.79	2613950	40.0
Undecane, 2,6-dimeth	8.96	269.7	ug/L	17626200	ISTD02	8.79	2613950	40.0
Ethanone, 1-(4-ethyl	9.60	209.8	ug/L	13711900	ISTD02	8.79	2613950	40.0
Undecane, 6,6-dimeth	9.93	211.9	ug/L	13846000	ISTD02	8.79	2613950	40.0
Tridecane	10.39	125.1	ug/L	8175930	ISTD02	8.79	2613950	40.0
Naphthalene, 1-methy	10.99	242.6	ug/L	15856000	ISTD02	8.79	2613950	40.0
Naphthalene, 2,6-dim	12.44	122.6	ug/L	11009200	ISTD03	13.67	3590800	40.0
Naphthalene, 1,6-dim	12.69	158.8	ug/L	14257300	ISTD03	13.67	3590800	40.0
Naphthalene, 2,6-dim	12.75	121.7	ug/L	10923900	ISTD03	13.67	3590800	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 18 Aug 2000 22:26
Data File: C:\HPCHEM\1\DATA\AUG1800\FA269.D
Name: APEX, 450W-05A (5.00G/10ML)
Misc: APEX, 450W-05A, 100UL/5ML + 1UL H89-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Nonane	17.45	38.0	ug/L	000111-84-2
Cyclohexanone, 2,3-dimethyl-	18.22	18.0	ug/L	013395-76-1
Nonane, 4-methyl-	18.47	16.3	ug/L	017301-94-9
Decane	19.02	89.8	ug/L	000124-18-5
Nonane, 2,6-dimethyl-	19.34	24.8	ug/L	017302-28-2
Decane, 5-methyl-	19.78	15.7	ug/L	013151-35-4
Cyclohexane, pentyl-	20.86	15.7	ug/L	004292-92-6
Dodecane	21.24	15.5	ug/L	000112-40-3
Benzene, 1,3-diethyl-5-methyl-	21.75	15.0	ug/L	002050-24-0
Benzocycloheptatriene	23.46	15.4	ug/L	000264-09-5

FA269.D HOWARDW.M Fri Aug 25 06:37:05 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 24 Aug 2000 21:27
Data File: C:\HPCHEM\1\DATA\AUG2400\HB211.D
Name: 0004680-016519
Misc: APEX, 450W-05A, 30:1+X119-4
Method: C:\HPCHEM\1\METHODS\BNAAUG17.M (RTE Integrator)
Title: GLI BNA Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydro	3.48	120.1	ug/L	6211360	ISTD01	5.73	2068750	40.0
Decane	5.26	48.9	ug/L	2526730	ISTD01	5.73	2068750	40.0
5-Fluoro-2-chloropyr	5.52	60.2	ug/L	3113850	ISTD01	5.73	2068750	40.0
Heptane, 3,3,5-trime	5.64	36.5	ug/L	1886430	ISTD01	5.73	2068750	40.0
Benzene-1,2,3,4-d4-,	6.15	62.0	ug/L	3205790	ISTD01	5.73	2068750	40.0
Eicosane	6.35	35.5	ug/L	1838230	ISTD01	5.73	2068750	40.0
Decane, 3-methyl-	6.47	28.9	ug/L	1496980	ISTD01	5.73	2068750	40.0
Undecane	6.95	120.2	ug/L	6218260	ISTD01	5.73	2068750	40.0
Benzene, 1-methyl-2-	7.59	27.8	ug/L	1083360	ISTD02	8.78	1556100	40.0
Undecane, 4-methyl-	7.99	25.4	ug/L	987281	ISTD02	8.78	1556100	40.0
Undecane, 3-methyl-	8.18	29.2	ug/L	1136200	ISTD02	8.78	1556100	40.0
Dodecane	8.68	86.9	ug/L	3382270	ISTD02	8.78	1556100	40.0
Undecane, 2,6-dimeth	8.91	36.7	ug/L	1425830	ISTD02	8.78	1556100	40.0
Dodecane, 4,6-dimeth	9.88	38.6	ug/L	1502990	ISTD02	8.78	1556100	40.0
Tridecane	10.35	61.3	ug/L	2383650	ISTD02	8.78	1556100	40.0
Tetradecane	11.95	37.6	ug/L	1916830	ISTD03	13.64	2037270	40.0
Naphthalene, 2,3-dim	12.68	24.6	ug/L	1252260	ISTD03	13.64	2037270	40.0
Dodecane, 2,6,10-tri	12.88	23.2	ug/L	1181890	ISTD03	13.64	2037270	40.0
Pentadecane	13.47	30.3	ug/L	1543610	ISTD03	13.64	2037270	40.0
Sulfur	20.90	73.2	ug/L	2614060	ISTD04	17.87	1428750	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 18 Aug 2000 22:58
Data File: C:\HPCHEM\1\DATA\AUG1800\FA270.D
Name: APEX,. 450WT-08A (5.00G/10ML)
Misc: APEX, 450WT-08A, 100UL/5ML + 1UL H89-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.2	ug/L	000623-42-7
Undecane	19.02	2.7	ug/L	001120-21-4
Naphthalene, 1,5-dimethyl-	19.43	9.2	ug/L	000571-61-9
Naphthalene, 1,5-dimethyl-	20.09	5.9	ug/L	000571-61-9

FA270.D HOWARDW.M Fri Aug 25 06:36:44 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 24 Aug 2000 20:05
Data File: C:\HPCHEM\1\DATA\AUG2400\HB209.D
Name: 0004680-016520
Misc: APEX, 450WT-08A, 30:1+X119-4
Method: C:\HPCHEM\1\METHODS\BNAAUG17.M (RTE Integrator)
Title: GLI BNA Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydro	3.56	78.7	ug/L	3948050	ISTD01	5.74	2007810	40.0
5-Fluoro-2-chloropyr	5.54	54.2	ug/L	2721760	ISTD01	5.74	2007810	40.0
1,4-Dichlorobenzene-	6.16	52.7	ug/L	2647510	ISTD01	5.74	2007810	40.0

00040641

Apex environmental, inc.

15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

CHAIN OF CUSTODY RECORD

JOB NO.	JOB NAME	PROJECT MANAGER	TURN-AROUND TIME
10352.013	USACE Bayonne	TRAVIS Black	72 Hour

SAMPLER(S): (Signature(s)) Joe Lockwood

(Printed) Joe Lockwood

PARAMETERS

SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	STATION / LOCATION	NO. OF CONTAINERS		Total Solids							REMARKS
MOTBY-PX-01	7/18	1200		X	S	METH	PX - PIPE TRENCH	1	X								Please Call APex's
MOTBY-PX-01AX		1205		X	W	ICE		1		X							Geologist w/ Any
MOTBY-PX-02		1215		X	S	METH		1	X								questions. Joe Lockwood
MOTBY-PX-02AX		1217		X	W	ICE		1		X							@ 201 376 2028
MOTBY-PX-03		1220		X	S	METH		1	X								OR TRAVIS Black
MOTBY-PX-03AX		1222		X	W	ICE		1		X							@ 301 417-0200
MOTBY-PX03AD		1225		X	S	METH		1	X								
MOTBY-PX-03ADAX		1227		X	W	ICE		1		X							
MOTBY-PX-04		1230		X	S	METH		1	X								
MOTBY-PX-04AX		1233		X	W	ICE		1		X							
MOTBY-PX-05		1235		X	S	METH		1	X								
MOTBY-PX-05AX		1240		X	W	ICE		1		X							
MOTBY-PX-06		1310		X	S	METH		1	X								
							TOTALS										

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
① [signature]	7/20/00	② [signature]	③		④
(Printed) TRAVIS Black	745	(Printed) 7/20/00 0820	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Remarks	
⑤		⑥			
(Printed)		(Printed)			

00040641

Apex environmental, inc.

15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

CHAIN OF CUSTODY RECORD

JOB NO.	JOB NAME	PROJECT MANAGER	TURN-AROUND TIME
10352.013	USACE Bayonne	Travis Black	72 HR

SAMPLER(S): (Signature(s)) Joe Lockwood

(Printed) Joe Lockwood

PARAMETERS

SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	STATION / LOCATION	NO. OF CONTAINERS	8260 VOA+10+Xylene	40 Total Solids							REMARKS
PX-06AX	7/18	1313		X	S	ICE		1	X	X							
PX-08	7/18	1320		X	S	METH		1	X								
PX-08A	7/18	1325		X	S	~~ICE~~ TB	HCL	1		X							
PX-09FB	7/18	1245		X	W	METH		2	X								
PX-10FB	7/18	1245		X	W	METH		1	X								
PX-07	7/18	1315		X	S	METH		1	X								
PX07AX	7/18	1317		X	S	ICE		1		X							
							TOTALS										

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
① [signature]	7/20/00	② Melanie House Kreck	③		④
(Printed) Travis Black	820	(Printed) 7/20/00 0820	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Remarks	
⑤		⑥			
(Printed)		(Printed)			

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report No: 0004066

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project 10352.013:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
MOTBY-PX-01AX; grab, 18-Jul-2000(1205)	Soil	000014238	20-Jul-2000
MOTBY-PX-02AX; grab, 18-Jul-2000(1217)	Soil	000014239	20-Jul-2000
MOTBY-PX-03AX; grab, 18-Jul-2000(1222)	Soil	000014240	20-Jul-2000
MOTBY-PX-03ADAX; grab, 18-Jul-2000(1227)	Soil	000014241	20-Jul-2000
MOTBY-PX-04AX; grab, 18-Jul-2000(1233)	Soil	000014242	20-Jul-2000
MOTBY-PX-05AX; grab, 18-Jul-2000(1240)	Soil	000014243	20-Jul-2000
MOTBY-PX-06AX; grab, 18-Jul-2000(1313)	Soil	000014244	20-Jul-2000
MOTBY-PX-08AX; grab, 18-Jul-2000(1325)	Soil	000014245	20-Jul-2000

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REPORT OF ANALYSIS

Report No: 0004066

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
MOTBY-PX-07AX; grab, 18-Jul-2000(1317)	Soil	000014246	20-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 7/28/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-01AX; grab collected on 18-Jul-00(12:05)
Laboratory Sample Number: 000014238

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
hloromethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
nyl Chloride	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
romomethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
hloroethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
cetone	<5800 ppb-dwb	5800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
hloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Disulfide	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
ethylene Chloride	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
rans-1,2-Dichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
1,1-Dichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
2-Butanone	<5800 ppb-dwb	5800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
s-1,2-Dichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
hloroform	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
1,1,1-Trichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
arbon Tetrachloride	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
enzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
1,2-Dichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
richloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
1,2-Dichloropropane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
romodichloromethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
4-Methyl-2-Pentanone	<2900 ppb-dwb	2900 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
cis-1,3-Dichloropropene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Toluene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
trans-1,3-Dichloropropene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Trichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
none	<2900 ppb-dwb	2900 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
hloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Dibromochloromethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Chlorobenzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Ethylbenzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Styrene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-01AX; grab collected on 18-Jul-00(12:05)
Laboratory Sample Number: 000014238

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
1,1,2,2-Tetrachloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Total Xylenes	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(12:50)
Dibromofluoromethane(surrogate)	95 % Rec	NA	EPA-8260B	MRS	21-Jul-00(12:50)
1,2-Dichloroethane-d4(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(12:50)
[redacted]e-d8(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(12:50)
[redacted]uorobenzene(surrogate)	95 % Rec	NA	EPA-8260B	MRS	21-Jul-00(12:50)
Residue at 105°C	84.1 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-02AX; grab collected on 18-Jul-00(12:17)
Laboratory Sample Number: 000014239

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<510 ppb-dwb	510 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Vinyl Chloride	<510 ppb-dwb	510 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Bromomethane	<510 ppb-dwb	510 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Chloroethane	<510 ppb-dwb	510 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Acetone	<5100 ppb-dwb	5100 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible]ichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible]Disulfide	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Methylene Chloride	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
trans-1,2-Dichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
1,1-Dichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
2-Butanone	<5100 ppb-dwb	5100 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
cis-1,2-Dichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Chloroform	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
1,1,1-Trichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Carbon Tetrachloride	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Benzene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
1,2-Dichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Trichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
1,2-Dichloropropane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Bromodichloromethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
4-Methyl-2-Pentanone	<2600 ppb-dwb	2600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
cis-1,3-Dichloropropene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Toluene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
trans-1,3-Dichloropropene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible] Trichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible]none	<2600 ppb-dwb	2600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible]loroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Dibromochloromethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Chlorobenzene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Ethylbenzene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Styrene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-02AX; grab collected on 18-Jul-00(12:17)
Laboratory Sample Number: 000014239

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
1,1,2,2-Tetrachloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Total Xylenes	<510 ppb-dwb	510 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:23)
Dibromofluoromethane(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:23)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible]ne-d8(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:23)
[illegible]fluorobenzene(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:23)
Residue at 105°C	91.7 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-03AX; grab collected on 18-Jul-00(12:22)
Laboratory Sample Number: 000014240

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Vinyl Chloride	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Bromomethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Chloroethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Acetone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible]ichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible]Disulfide	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Methylene Chloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
trans-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
1,1-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
2-Butanone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
cis-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Chloroform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
1,1,1-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Carbon Tetrachloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Benzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
1,2-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Trichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
1,2-Dichloropropane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Bromodichloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
4-Methyl-2-Pentanone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
cis-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Toluene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
trans-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible] Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible]anone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible]loroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Dibromochloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Chlorobenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Ethylbenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Styrene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-03AX; grab collected on 18-Jul-00(12:22)
Laboratory Sample Number: 000014240

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
1,1,2,2-Tetrachloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Total Xylenes	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(13:56)
Dibromofluoromethane(surrogate)	95 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:56)
1,2-Dichloroethane-d4(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible]e-d8(surrogate)	101 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:56)
[illegible]uorobenzene(surrogate)	99 % Rec	NA	EPA-8260B	MRS	21-Jul-00(13:56)
Residue at 105°C	89.7 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-03ADAX; grab collected on 18-Jul-00(12:27)
Laboratory Sample Number: 000014241

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Vinyl Chloride	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Bromomethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Chloroethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Acetone	<5800 ppb-dwb	5800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
chloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Disulfide	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Methylene Chloride	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
trans-1,2-Dichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
1,1-Dichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
2-Butanone	<5800 ppb-dwb	5800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
cis-1,2-Dichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Chloroform	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
1,1,1-Trichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Carbon Tetrachloride	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Benzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
1,2-Dichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Trichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
1,2-Dichloropropane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Bromodichloromethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
4-Methyl-2-Pentanone	<2900 ppb-dwb	2900 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
cis-1,3-Dichloropropene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Toluene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
trans-1,3-Dichloropropene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Trichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
anone	<2900 ppb-dwb	2900 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
hloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Dibromochloromethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Chlorobenzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Ethylbenzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Styrene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-03ADAX; grab collected on 18-Jul-00(12:27)
Laboratory Sample Number: 000014241

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
1,1,2,2-Tetrachloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Total Xylenes	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:19)
Dibromofluoromethane(surrogate)	94 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:19)
1,2-Dichloroethane-d4(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:19)
[illegible]ne-d8(surrogate)	100 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:19)
[illegible]luorobenzene(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:19)
Residue at 105°C	86.6 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: **Submitted samples: MOTBY-PX-04AX; grab collected on 18-Jul-00(12:33)**
Laboratory Sample Number: 000014242

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Vinyl Chloride	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Bromomethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Chloroethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Acetone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
[illegible]chloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
[illegible]n Disulfide	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Methylene Chloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
trans-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
1-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
-Butanone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
is-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Chloroform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
,1,1-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Carbon Tetrachloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Benzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
,2-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Trichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
,2-Dichloropropane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Bromodichloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
-Methyl-2-Pentanone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
is-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Toluene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
trans-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
anone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
[illegible]chloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Dibromochloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Chlorobenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Ethylbenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
Styrene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-04AX; grab collected on 18-Jul-00(12:33)
Laboratory Sample Number: 000014242

arameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
romoform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
1,2,2-Tetrachloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
otal Xylenes	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(14:29)
ibromofluoromethane(surrogate)	96 % Rec	NA	EPA-8260B	MRS	21-Jul-00(14:29)
,2-Dichloroethane-d4(surrogate)	103 % Rec	NA	EPA-8260B	MRS	21-Jul-00(14:29)
ıe-d8(surrogate)	101 % Rec	NA	EPA-8260B	MRS	21-Jul-00(14:29)
luorobenzene(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(14:29)
Residue at 105°C	89.0 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-05AX; grab collected on 18-Jul-00(12:40)
Laboratory Sample Number: 000014243

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<540 ppb-dwb	540 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Vinyl Chloride	<540 ppb-dwb	540 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Bromomethane	<540 ppb-dwb	540 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Chloroethane	<540 ppb-dwb	540 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Acetone	<5400 ppb-dwb	5400 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
[illegible]chloroethene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
[illegible]isulfide	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Methylene Chloride	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Trans-1,2-Dichloroethene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
1,1-Dichloroethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
2-Butanone	<5400 ppb-dwb	5400 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
cis-1,2-Dichloroethene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Chloroform	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
1,1,1-Trichloroethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Carbon Tetrachloride	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Benzene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
1,2-Dichloroethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Trichloroethene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
1,2-Dichloropropane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Bromodichloromethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
4-Methyl-2-Pentanone	<2700 ppb-dwb	2700 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
cis-1,3-Dichloropropene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Toluene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
trans-1,3-Dichloropropene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
[illegible]Trichloroethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
[illegible]anone	<2700 ppb-dwb	2700 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
[illegible]roethene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Dibromochloromethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Chlorobenzene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Ethylbenzene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Styrene	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-05AX; grab collected on 18-Jul-00(12:40)
Laboratory Sample Number: 000014243

arameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
romoform	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
1,2,2-Tetrachloroethane	<270 ppb-dwb	270 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
otal Xylenes	<540 ppb-dwb	540 ppb-dwb	EPA-8260B	MRS	21-Jul-00(15:01)
Dibromofluoromethane(surrogate)	92 % Rec	NA	EPA-8260B	MRS	21-Jul-00(15:01)
1,2-Dichloroethane-d4(surrogate)	102 % Rec	NA	EPA-8260B	MRS	21-Jul-00(15:01)
ıe-d8(surrogate)	100 % Rec	NA	EPA-8260B	MRS	21-Jul-00(15:01)
luorobenzene(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(15:01)
Residue at 105°C	89.4 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-06AX; grab collected on 18-Jul-00(13:13)
Laboratory Sample Number: 000014244

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
hloromethane	<570 ppb-dwb	570 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
nyl Chloride	<570 ppb-dwb	570 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
romomethane	<570 ppb-dwb	570 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
hloroethane	<570 ppb-dwb	570 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
cetone	<5700 ppb-dwb	5700 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Disulfide	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
ylene Chloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
ans-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
,1-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
2-Butanone	<5700 ppb-dwb	5700 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
cis-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Chloroform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
1,1,1-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Carbon Tetrachloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Benzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
1,2-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Trichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
1,2-Dichloropropane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Bromodichloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
4-Methyl-2-Pentanone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
cis-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Toluene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
trans-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
1,1,2-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
anone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
loroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Dibromochloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Chlorobenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Ethylbenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Styrene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: **Submitted samples: MOTBY-PX-06AX; grab collected on 18-Jul-00(13:13)**
Laboratory Sample Number: 000014244

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
1,1,2,2-Tetrachloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Total Xylenes	<570 ppb-dwb	570 ppb-dwb	EPA-8260B	MRS	24-Jul-00(13:17)
Dibromofluoromethane(surrogate)	99 % Rec	NA	EPA-8260B	MRS	24-Jul-00(13:17)
1,2-Dichloroethane-d4(surrogate)	98 % Rec	NA	EPA-8260B	MRS	24-Jul-00(13:17)
Toluene-d8(surrogate)	99 % Rec	NA	EPA-8260B	MRS	24-Jul-00(13:17)
Bromofluorobenzene(surrogate)	101 % Rec	NA	EPA-8260B	MRS	24-Jul-00(13:17)
Residue at 105°C	87.3 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-08AX; grab collected on 18-Jul-00(13:25)
Laboratory Sample Number: 000014245

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
hloromethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
inyl Chloride	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
romomethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
hloroethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
cetone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
ichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
Disulfide	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
ieuylene Chloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
ans-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
1-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
-Butanone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
is-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
hloroform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
1,1-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
arbon Tetrachloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
enzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
,2-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
richloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
,2-Dichloropropane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
romodichloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
-Methyl-2-Pentanone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
is-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
oluene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
ans-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
anone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
loroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
Dibromochloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
Chlorobenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
Ethylbenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
Styrene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-08AX; grab collected on 18-Jul-00(13:25)
Laboratory Sample Number: 000014245

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
romoform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
.1,2,2-Tetrachloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
otal Xylenes	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:46)
)ibromofluoromethane(surrogate)	96 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:46)
,2-Dichloroethane-d4(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:46)
ene-d8(surrogate)	100 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:46)
fluorobenzene(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:46)
Residue at 105°C	88.4 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-07AX; grab collected on 18-Jul-00(13:17)
Laboratory Sample Number: 000014246

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Vinyl Chloride	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Bromomethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Chloroethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Acetone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Disulfide	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Methylene Chloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
trans-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
1,1-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
2-Butanone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
cis-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Chloroform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
1,1,1-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Carbon Tetrachloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Benzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
1,2-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Trichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
1,2-Dichloropropane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Bromodichloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
4-Methyl-2-Pentanone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
cis-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Toluene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
trans-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
1,1,2-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
anone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
loroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Dibromochloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Chlorobenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Ethylbenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Styrene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)

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Baltimore, MD 21224

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FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004066

Client: APEX

Sample Id: Submitted samples: MOTBY-PX-07AX; grab collected on 18-Jul-00(13:17)
Laboratory Sample Number: 000014246

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
1,2,2-Tetrachloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
Total Xylenes	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(16:13)
bromofluoromethane(surrogate)	95 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:13)
2-Dichloroethane-d4(surrogate)	102 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:13)
ene-d8(surrogate)	99 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:13)
fluorobenzene(surrogate)	97 % Rec	NA	EPA-8260B	MRS	21-Jul-00(16:13)
Residue at 105°C	90.3 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 12:50
Data File: C:\HPCHEM\1\DATA\JUL2100\EA241.D
Name: APEX, PX-01AX 0406-1423C
sc: 100ul/5ml + 1ul H81-2
thod: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.3	ug/L	000623-42-7
Hexane, 2,3,4-trimethyl-	14.34	3.1	ug/L	000921-47-1
Heptane, 3-methyl-	14.73	3.1	ug/L	000589-81-1
Arsenous acid, tris(trimethylsilyl) este	15.82	2.6	ug/L	055429-29-3
Octane, 4-methyl-	16.80	2.6	ug/L	002216-34-4

EA241.D HOWARDW.M Tue Jul 25 13:22:59 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 13:23
Data File: C:\HPCHEM\1\DATA\JUL2100\EA242.D
ame: APEX, PX-02AX 04066-14239
sc: 100ul/5ml + 1ul H81-2
chod: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.6	ug/L	000623-42-7

EA242.D HOWARDW.M Tue Jul 25 13:23:29 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 13:56
Data File: C:\HPCHEM\1\DATA\JUL2100\EA243.D
Name: 04066-14240
Misc: APEX, PX-03AX 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.3	ug/L	000623-42-7

EA243.D HOWARDW.M Tue Jul 25 13:23:44 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 17:19
Data File: C:\HPCHEM\1\DATA\JUL2100\EA250.D
Name: 04066-14241
Misc: APEX, PX-03ADAX 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.3	ug/L	000623-42-7
Cyclotrisiloxane, hexamethyl-	15.81	2.5	ug/L	000541-05-9

EA250.D HOWARDW.M Tue Jul 25 13:25:01 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 14:29
Data File: C:\HPCHEM\1\DATA\JUL2100\EA244.D
Name: 04066-14242
Misc: APEX, PX-04AX 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.1	ug/L	000623-42-7
Arsenous acid, tris(trimethylsilyl) este	15.82	2.7	ug/L	055429-29-3

EA244.D HOWARDW.M Tue Jul 25 13:23:59 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 15:01
Data File: C:\HPCHEM\1\DATA\JUL2100\EA245.D
Name: 04066-14243
Misc: APEX, PX-05AX 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.2	ug/L	000623-42-7

EA245.D HOWARDW.M Tue Jul 25 13:24:12 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 24 Jul 2000 13:17
Data File: C:\HPCHEM\1\DATA\JUL2400\EA280.D
Name: 04066-14244
Misc: APEX, PX-06AX,100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Pentane, 2,3,4-trimethyl-	14.15	5.9	ug/L	000565-75-3
Butanoic acid, methyl ester	14.22	4.6	ug/L	000623-42-7
Octane, 4-methyl-	14.34	6.1	ug/L	002216-34-4
Hexane, 3-ethyl-	14.73	4.5	ug/L	000619-99-8
Cyclotrisiloxane, hexamethyl-	15.81	3.3	ug/L	000541-05-9
Octane, 2-methyl-	16.80	4.7	ug/L	003221-61-2
Octane, 3-methyl-	16.96	3.6	ug/L	002216-33-3

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 16:46
Data File: C:\HPCHEM\1\DATA\JUL2100\EA249.D
Name: 04066-14245
Misc: APEX, PX-08AX 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.2	ug/L	000623-42-7

EA249.D HOWARDW.M Tue Jul 25 13:24:47 2000 RTP1

Apex environmental, inc.

16860 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

CHAIN OF CUSTODY RECORD

JOB NO.	JOB NAME	PROJECT MANAGER	TURN-AROUND TIME
10352.013	USACE Bayonne	Travis Black	72 Hour

SAMPLER(S): (Signature(s)) Leigh LewisBerger

(Printed) Leigh LewisBerger

SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	STATION / LOCATION	NO. OF CONTAINERS	PARAMETERS: 8260 VOA + 10 + Xylene	REMARKS
B-1	7/10/00	1125		X	S	ICE	Bldg 910	1	X	
B-2	7/10/00	1230		X	S	ICE		1	X	
B-3	7/10/00	1300		X	S	ICE		1	X	
B-4	7/10/00	1350		X	S	ICE		1	X	
							TOTALS	4	X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
① Travis Black	7/20/00	② Melanie Henderson	③		④
(Printed) Travis Black	750	(Printed) QA 7/20/00 0820	(Printed)		(Printed)
Relinquished by: (Signature) ⑤	Date/Time	Received by: (Signature) ⑥	Date/Time	Remarks	
(Printed)		(Printed)			

Distribution: WHITE => original (accompanies samples; returned with results) ; YELLOW => laboratory copy ; PINK => sampler's copy

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004063

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project 10352.013:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1; grab, 10-Jul-2000(1125)	Soil	000014224	20-Jul-2000
B-2; grab, 10-Jul-2000(1230)	Soil	000014225	20-Jul-2000
B-3; grab, 10-Jul-2000(1300)	Soil	000014226	20-Jul-2000
B-4; grab, 10-Jul-2000(1350)	Soil	000014227	20-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman 7/28/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO. (410) 633-5445

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: Submitted samples: B-1; grab collected on 10-Jul-00(11:25)
Laboratory Sample Number: 000014224

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<630 ppb-dwb	630 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Vinyl Chloride	<630 ppb-dwb	630 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Bromomethane	<630 ppb-dwb	630 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Chloroethane	<630 ppb-dwb	630 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Acetone	<6300 ppb-dwb	6300 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,1-Dichloroethene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Carbon Disulfide	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Methylene Chloride	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
trans-1,2-Dichloroethene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,1-Dichloroethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
2-Butanone	<6300 ppb-dwb	6300 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
cis-1,2-Dichloroethene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Chloroform	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,1,1-Trichloroethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Carbon Tetrachloride	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Benzene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,2-Dichloroethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Trichloroethene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,2-Dichloropropane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Bromodichloromethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
4-Methyl-2-Pentanone	<3200 ppb-dwb	3200 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
cis-1,3-Dichloropropene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Toluene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
trans-1,3-Dichloropropene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,1,2-Trichloroethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
2-Hexanone	<3200 ppb-dwb	3200 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Tetrachloroethene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Dibromochloromethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Chlorobenzene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Ethylbenzene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Styrene	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: Submitted samples: B-1; grab collected on 10-Jul-00(11:25)
Laboratory Sample Number: 000014224

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
1,1,2,2-Tetrachloroethane	<320 ppb-dwb	320 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Total Xylenes	<630 ppb-dwb	630 ppb-dwb	EPA-8260B	MRS	21-Jul-00(17:52)
Dibromofluoromethane(surrogate)	91 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:52)
1,2-Dichloroethane-d4(surrogate)	101 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:52)
ıe-d8(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:52)
fluorobenzene(surrogate)	98 % Rec	NA	EPA-8260B	MRS	21-Jul-00(17:52)
Residue at 105°C	78.4 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: Submitted samples: B-2; grab collected on 10-Jul-00(12:30)
Laboratory Sample Number: 000014225

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
inyl Chloride	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
romomethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Chloroethane	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Acetone	<5800 ppb-dwb	5800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
loroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
on Disulfide	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Methylene Chloride	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
trans-1,2-Dichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
1,1-Dichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
2-Butanone	<5800 ppb-dwb	5800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
cis-1,2-Dichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Chloroform	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
1,1,1-Trichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Carbon Tetrachloride	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Benzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
1,2-Dichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Trichloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
1,2-Dichloropropane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Bromodichloromethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
4-Methyl-2-Pentanone	<2900 ppb-dwb	2900 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
cis-1,3-Dichloropropene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Toluene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
rans-1,3-Dichloropropene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Trichloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
none	<2900 ppb-dwb	2900 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
trachloroethene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Dibromochloromethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Chlorobenzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Ethylbenzene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Styrene	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: **Submitted samples: B-2; grab collected on 10-Jul-00(12:30)**
Laboratory Sample Number: 000014225

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
1,1,2,2-Tetrachloroethane	<290 ppb-dwb	290 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Total Xylenes	<580 ppb-dwb	580 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:25)
Dibromofluoromethane(surrogate)	93 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:25)
1,2-Dichloroethane-d4(surrogate)	101 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:25)
[illegible]e-d8(surrogate)	99 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:25)
[illegible]nofluorobenzene(surrogate)	96 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:25)
Residue at 105°C	83.2 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: **Submitted samples: B-3; grab collected on 10-Jul-00(13:00)**
Laboratory Sample Number: 000014226

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Vinyl Chloride	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Bromomethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Chloroethane	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Acetone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
[redacted]hloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
[redacted]on Disulfide	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Methylene Chloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
trans-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
1,1-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
2-Butanone	<5600 ppb-dwb	5600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
cis-1,2-Dichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Chloroform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
1,1,1-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Carbon Tetrachloride	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Benzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
1,2-Dichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Trichloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
1,2-Dichloropropane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Bromodichloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
4-Methyl-2-Pentanone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
cis-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Toluene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
trans-1,3-Dichloropropene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
1,1,2-Trichloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
[redacted]anone	<2800 ppb-dwb	2800 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Tetrachloroethene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Dibromochloromethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Chlorobenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Ethylbenzene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Styrene	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: **Submitted samples: B-3; grab collected on 10-Jul-00(13:00)**
Laboratory Sample Number: 000014226

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
1,1,2,2-Tetrachloroethane	<280 ppb-dwb	280 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Total Xylenes	<560 ppb-dwb	560 ppb-dwb	EPA-8260B	MRS	21-Jul-00(18:58)
Dibromofluoromethane(surrogate)	94 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:58)
1,2-Dichloroethane-d4(surrogate)	102 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:58)
[illegible]e-d8(surrogate)	100 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:58)
[illegible]ofluorobenzene(surrogate)	95 % Rec	NA	EPA-8260B	MRS	21-Jul-00(18:58)
Residue at 105°C	84.9 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: **Submitted samples: B-4; grab collected on 10-Jul-00(13:50)**
Laboratory Sample Number: 000014227

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<520 ppb-dwb	520 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Vinyl Chloride	<520 ppb-dwb	520 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Bromomethane	<520 ppb-dwb	520 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Chloroethane	<520 ppb-dwb	520 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Acetone	<5200 ppb-dwb	5200 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible]loroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible]n Disulfide	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Methylene Chloride	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
trans-1,2-Dichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
1,1-Dichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
2-Butanone	<5200 ppb-dwb	5200 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
cis-1,2-Dichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Chloroform	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
1,1,1-Trichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Carbon Tetrachloride	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Benzene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
1,2-Dichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Trichloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
1,2-Dichloropropane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Bromodichloromethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
4-Methyl-2-Pentanone	<2600 ppb-dwb	2600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
cis-1,3-Dichloropropene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Toluene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
trans-1,3-Dichloropropene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible] Trichloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible]none	<2600 ppb-dwb	2600 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible]rachloroethene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Dibromochloromethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Chlorobenzene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Ethylbenzene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Styrene	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)

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REPORT OF ANALYSIS

Report no: 0004063

Client: APEX

Sample Id: Submitted samples: B-4; grab collected on 10-Jul-00(13:50)
Laboratory Sample Number: 000014227

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromoform	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
1,1,2,2-Tetrachloroethane	<260 ppb-dwb	260 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Total Xylenes	<520 ppb-dwb	520 ppb-dwb	EPA-8260B	MRS	21-Jul-00(19:31)
Dibromofluoromethane(surrogate)	93 % Rec	NA	EPA-8260B	MRS	21-Jul-00(19:31)
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible]e-d8(surrogate)	100 % Rec	NA	EPA-8260B	MRS	21-Jul-00(19:31)
[illegible]ofluorobenzene(surrogate)	99 % Rec	NA	EPA-8260B	MRS	21-Jul-00(19:31)
Residue at 105°C	94.2 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	21-Jul-00(13:38)

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 17:52
Data File: C:\HPCHEM\1\DATA\JUL2100\EA251.D
Name: 04063-14224
APEX, B/1 5-6' 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.24	5.8	ug/L	000623-42-7
Cyclotrisiloxane, hexamethyl-	15.82	2.7	ug/L	000541-05-9

EA251.D HOWARDW.M Tue Jul 25 13:25:13 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 18:25
Data File: C:\HPCHEM\1\DATA\JUL2100\EA252.D
Name: 04063-14225
APEX, B/2 4-5' 100ul/5ml + 1ul H81-2
Meth: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.3	ug/L	000623-42-7

EA252.D HOWARDW.M Tue Jul 25 13:25:29 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 18:58
Data File: C:\HPCHEM\1\DATA\JUL2100\EA253.D
Name: 04063-14226
APEX, B/3 4-5' 100ul/5ml + 1ul H81-2
Mod: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	5.2	ug/L	000623-42-7
Arsenous acid, tris(trimethylsilyl) este	15.81	2.8	ug/L	035429-29-3

EA253.D HOWARDW.M Tue Jul 25 13:25:42 2000 RTPI

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 19:31
Data File: C:\HPCHEM\1\DATA\JUL2100\EA254.D
Name: 04063-14227
: APEX, B/4 3-4' 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.24	5.6	ug/L	000623-42-7

EA254.D HOWARDW.M Tue Jul 25 13:26:02 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: MRS Date Acquired: 21 Jul 2000 16:13
Data File: C:\HPCHEM\1\DATA\JUL2100\EA248.D
Name: 04066-14246
Misc: APEX, PX-07AX 100ul/5ml + 1ul H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.22	5.4	ug/L	000623-42-7

EA248.D HOWARDW.M Tue Jul 25 13:24:28 2000 RTP1

Apex environmental, inc.
15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

CHAIN OF CUSTODY RECORD

JOB NO.: 10352.013
JOB NAME: USACE Bayonne
PROJECT MANAGER: TRAVIS Black
SAMPLER(S): (Signature(s)) Leigh LivelsBerger
(Printed) Travis M Black /for
TURN-AROUND TIME: 72 HRS due 7/14/00

SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	STATION / LOCATION	NO. OF CONTAINERS	PARAMETERS: TPH-GRO	BTEX	TPH-DRO	REMARKS
10480	7/10	1305		X	S	ICE	B-1 10 Bldg 91	2	X	X	X	Provided Gascoyne w/ 1 samples for each Location.
10481	7/10	1345		X	S	ICE	B-2 7 Bldg 91	2	X	X	X	
10482	7/10	1415		X	S	ICE	B-3 7 Bldg 91	2	X	X	X	
10483	7/10	1440		X	S	ICE	B-4 5 Bldg 91	2	X	X	X	
10484	7/10	1530		X	S	ICE	B-1 OWS	2			X	
10485	7/10	1550		X	S	ICE	B-2 OWS	1			X	
							TOTALS	6	X	X	X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
① Travis M Black	7/13/00	② [signature]	③		④
(Printed) Travis M. Black	0700	(Printed) T Newman	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Remarks	
⑤		⑥			
(Printed)		(Printed)			

Distribution: WHITE => original (accompanies samples; returned [illegible] YELLOW => laborato[illegible]

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1300
FAX NO.
(410) 633-5444
www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0003879

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACE BAYOONE:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1 10; grab, 10-Jul-2000(1305)	Soil	000013393	13-Jul-2000
B-2 7; grab, 10-Jul-2000(1345)	Soil	000013394	13-Jul-2000
B-3 7; grab, 10-Jul-2000(1415)	Soil	000013395	13-Jul-2000
B-4 5; grab, 10-Jul-2000(1440)	Soil	000013396	13-Jul-2000
B-1 OWS; grab, 10-Jul-2000(1530)	Soil	000013397	13-Jul-2000

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800
FAX NO.
(410) 633-5421

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0003879

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-2 OWS; grab, 10-Jul-2000(1550)	Soil	000013398	13-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 7/22/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800
FAX NO.
(410) 633-54[illegible]

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0003879
Client: APEX
Sample Id: Submitted samples: B-1 10; grab collected on 10-Jul-00(13:05)
Laboratory Sample Number: 000013393

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(12:31)
Toluene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(12:31)
Ethylbenzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(12:31)
Total Xylenes	<6 ppb-dwb	6 ppb-dwb	EPA-8021B	MRS	13-Jul-00(12:31)
Trifluorotoluene(surrogate)	108 % Rec	NA	EPA-8021B	MRS	13-Jul-00(12:31)
Gasoline Range Organics(C6-C10)	<1 ppm-arb	1 ppm-arb	EPA-8015B	MRS	13-Jul-00(12:31)
Trifluorotoluene(surrogate)	110 % Rec	NA	EPA-8015B	MRS	13-Jul-00(12:31)
Residue at 105°C	84.2 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	13-Jul-00(10:41)

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Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5446

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REPORT OF ANALYSIS

Report no: **0003879**

Client: **APEX**

Sample Id: **Submitted samples: B-2 7; grab collected on 10-Jul-00(13:45)**
Laboratory Sample Number: 000013394

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(14:24)
Toluene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(14:24)
Ethylbenzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(14:24)
Total Xylenes	<6 ppb-dwb	6 ppb-dwb	EPA-8021B	MRS	13-Jul-00(14:24)
Trifluorotoluene(surrogate)	108 % Rec	NA	EPA-8021B	MRS	13-Jul-00(14:24)
Gasoline Range Organics(C6-C10)	<1 ppm-arb	1 ppm-arb	EPA-8015B	MRS	13-Jul-00(14:24)
Trifluorotoluene(surrogate)	111 % Rec	NA	EPA-8015B	MRS	13-Jul-00(14:24)
Residue at 105°C	82.9 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	13-Jul-00(10:41)

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Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-544_

www.gascoyne.com

REPORT OF ANALYSIS

Report no: **0003879**

Client: **APEX**

Sample Id: **Submitted samples: B-3 7; grab collected on 10-Jul-00(14:15)**
Laboratory Sample Number: 000013395

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(15:56)
Toluene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(15:56)
Ethylbenzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(15:56)
Total Xylenes	<6 ppb-dwb	6 ppb-dwb	EPA-8021B	MRS	13-Jul-00(15:56)
Trifluorotoluene(surrogate)	108 % Rec	NA	EPA-8021B	MRS	13-Jul-00(15:56)
Gasoline Range Organics(C6-C10)	<1 ppm-arb	1 ppm-arb	EPA-8015B	MRS	13-Jul-00(15:56)
Trifluorotoluene(surrogate)	113 % Rec	NA	EPA-8015B	MRS	13-Jul-00(15:56)
Residue at 105°C	80.0 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	13-Jul-00(10:41)

Printed on recycled paper.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-544[illegible]

www.gascoyne.com

REPORT OF ANALYSIS

Report no: **0003879**

Client: **APEX**

Sample Id: **Submitted samples: B-4 5; grab collected on 10-Jul-00(14:40)**
Laboratory Sample Number: 000013396

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(16:27)
Toluene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(16:27)
Ethylbenzene	<2 ppb-dwb	2 ppb-dwb	EPA-8021B	MRS	13-Jul-00(16:27)
Total Xylenes	<6 ppb-dwb	6 ppb-dwb	EPA-8021B	MRS	13-Jul-00(16:27)
[illegible]fluorotoluene(surrogate)	88 % Rec	NA	EPA-8021B	MRS	13-Jul-00(16:27)
Gasoline Range Organics(C6-C10)	<1 ppm-arb	1 ppm-arb	EPA-8015B	MRS	13-Jul-00(16:27)
Trifluorotoluene(surrogate)	92 % Rec	NA	EPA-8015B	MRS	13-Jul-00(16:27)
Residue at 105°C	85.6 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	13-Jul-00(10:41)

SAMPLE SUBMITTAL / CHAIN-OF-CUSTODY

DC 257

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # 0004249 Dpf
Temp. Blk. _____
Cooler # _____
PUC # _____

Test Results to:
Company: Apex Environmental
Contact: Travis Blade
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project: MOTOR-72A
Sampler/MDOE #: _____
Client's P.O. #: _____

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: 5 Days TAT 8/4/00
(TIME / DAY / DATE)

TESTS REQUIRED: TPHC-418.1 / VOA 601, BTNTS, PCB / PAH

Hold pending authorization

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION	SAMPLE COLLECTED DATE	TIME	MATRIX	GRAB	NUMBER OF CONTAINERS	COMMENTS
14998	SO	72A-01	7/27	1420	X		1	
	SO	72A-01A	7/27	1425	X		2	Hold pending 418.1
14999	SO	72A-02	7/27	1430	X		1	
	SO	72A-02A	7/27	1435	X		2	"
15000	SO	72A-03	7/27	1440	X		1	"
	SO	72A-03A	7/27	1448	X		2	"
15001	SO	72A-04	7/27	1449	X		1	"
	SO	72A-04A	7/27	1450	X		2	"
15002	SO	72A-05	7/27	1453	X		1	"
	SO	72A-05A	7/27	1455	X		2	"

Total Number of Containers: 15

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation: Joe Lockwood/Apex	Date/Time: 7/28/00 1820	Received By (signature):
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):

Printed Name/Affiliation: TRAN PHAM GLS — Date/Time: 7/29/00 1120

7-24-2000 MON 16:35 ID:APEX ENVIRON 111 PAGE:2

SAMPLE SUBMITTA CHAIN-OF-CUSTODY

Page ___ of ___

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # 0004249 00f
Temp. Blk. ___
Cooler # ___
PUC # ___

Test Results to:
Company: Aqua Envl.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project 72A
Sampler/MDOE # ___
Client's P.O. # ___

5 Days TAT 8/4/00

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ___ TIME ___ DAY ___ DATE

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep brief. Approx. 15 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS
15003	SO	72A-06D	7/27	1457		V	1
	SO	72A-06A	7/27	1500		V	2

TESTS REQUIRED: TPH-418.1 (Volatiles), BTEX, 22 Metals, Z88

COMMENTS (i.e. matrix, detection limits, etc.): Hold pending results

Total Number of Containers 3

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date Time
Le Black	Travis Black	7/28/00 1120			
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5 2001

WHITE - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

7-24-2000 MON 16:35 ID:APEX ENVIRON INC PAGE 3

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004251

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-72A:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
72A-01; grab, 27-Jul-2000(1420)	Soil	000014998	28-Jul-2000
72A-02; grab, 27-Jul-2000(1430)	Soil	000014999	28-Jul-2000
72A-03; grab, 27-Jul-2000(1440)	Soil	000015000	28-Jul-2000
72A-04; grab, 27-Jul-2000(1449)	Soil	000015001	28-Jul-2000
72A-05; grab, 27-Jul-2000(1453)	Soil	000015002	28-Jul-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800
FAX NO.
(410) 633-5443
www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004251

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
72A-06D; grab, 27-Jul-2000(1457)	Soil	000015003	28-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date: 8/8/00

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004251
Report to: APEX

Total Petroleum Hydrocarbons EPA-418.1M

Client Sample ID	Laboratory Sample Number	Test Results	Laboratory Reporting Limit	Analyst	Date/Time of Analysis
72A-01; grab dated 07/27/00(14:20)	000014998	50 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
72A-02; grab dated 07/27/00(14:30)	000014999	79 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
72A-03; grab dated 07/27/00(14:40)	000015000	38 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
[redacted]4; grab dated 07/27/00(14:49)	000015001	31 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
72A-05; grab dated 07/27/00(14:53)	000015002	38 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
72A-06D; grab dated 07/27/00(14:57)	000015003	88 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)

Building 72
B

00[illegible]79

Apex environmental, inc.

15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE: (301) 417-0200

CHAIN OF CUSTODY RECORD

JOB NO.: 10352.013
JOB NAME: USACE Bayonne
PROJECT MANAGER: TRAVIS Black
SAMPLER(S): (Signature(s)) Leigh LivelsBerger
(Printed) [signature] / For
TURN-AROUND TIME: 72 HRS due 7/11/00

SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	STATION / LOCATION	NO. OF CONTAINERS	TPH-GRO	BTEX	TPH-DRO	[illegible]						REMARKS
10480	7/10	1305		X	S	ICE	B-1 10	1	X	X		X						Provided Gascoyne w/ 1 samples for each Location.
10481	7/10	1345		X	S	ICE	B-2 7	1	X	X		X						
10482	7/10	1415		X	S	ICE	B-3 7	1	X	X		X						
10483	7/10	1440		X	S	ICE	B-4 5	1	X	X		X						
10484	7/10	1530		X	S	ICE	B-1 OWS Bldg 72	1			X							
10485	7/10	1550		X	S	ICE	B-2 OWS Bldg 72	1			X							
							TOTALS	6	X	X	X							

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
① [signature] (Printed) TRAVIS M. BLACK	7/13/00 0700	② [signature] (Printed) J NEWMAN	③ (Printed)		④ (Printed)
Relinquished by: (Signature) ⑤ (Printed)	Date/Time	Received by: (Signature) ⑥ (Printed)	Date/Time	Remarks	

Distribution: WHITE => original (accompanies samples: returned with [illegible]) YELLOW => laborato[illegible]

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1300
FAX NO.
(410) 633-5[illegible]

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0003879

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACE BAYOONE:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1 10; grab, 10-Jul-2000(1305)	Soil	000013393	13-Jul-2000
B-2 7; grab, 10-Jul-2000(1345)	Soil	000013394	13-Jul-2000
B-3 7; grab, 10-Jul-2000(1415)	Soil	000013395	13-Jul-2000
B-4 5; grab, 10-Jul-2000(1440)	Soil	000013396	13-Jul-2000
B-1 OWS; grab, 10-Jul-2000(1530) Bldg 72	Soil	000013397	13-Jul-2000

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800
FAX NO.
(410) 633-5421

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REPORT OF ANALYSIS

Report No: 0003879

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-2 OWS; grab, 10-Jul-2000(1550) Bldg 72	Soil	000013398	13-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 7/22/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-544

www.gascoyne.com

REPORT OF ANALYSIS

Report no: **0003879**

Client: **APEX**

Sample Id: **Submitted samples: B-1 OWS; grab collected on 10-Jul-00(15:30)**
Laboratory Sample Number: 000013397

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	3200 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(15:05)
n-Pentacosane(surrogate)	122 % Rec	NA	EPA-8015B	MST	14-Jul-00(15:05)

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Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5445

www.gascoyne.com

REPORT OF ANALYSIS

Report no: **0003879**

Client: **APEX**

Sample Id: **Submitted samples: B-2 OWS; grab collected on 10-Jul-00(15:50)**
Laboratory Sample Number: 000013398

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(15:54)
n-Pentacosane(surrogate)	100 % Rec	NA	EPA-8015B	MST	14-Jul-00(15:54)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

PRW 7/12/00

SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	0003871
Temp. Blk.	NA
Cooler #	
PUC #	

Test Results to:

Company: APEX ENVIRONMENTAL
Contact: TRAVIS BLACK
Phone No. 301-417-0200
FAX No. 301-379-0169

Sample Site/Project USACOE - MOTBY ~~10352.013~~ 8
Sampler/MDOE #
Gascoyne Quote #
Client's P.O. # 10352.013

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

PRW 7/12/00

TESTS REQUIRED: TPH DRO 418-1 8015B

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH DRO 418-1 8015B								COMMENTS (i.e. Data Package, methods, detection limits, etc.)
13350	1	B-3 BLDG72A 7'	7/11/00	0900		X	1	X								
13355	1	B-4 BLDG72A 7'	7/11/00	0915		X	1	X								
13356	1	B-1 BLDG229H 10'	7/11/00	1030		X	1	X								
13357	1	B-2 BLDG229H 10'	7/11/00	1110		X	1	X								
13358	1	B-3 BLDG229H 10'	7/11/00	1130		X	1	X								
13359	1	B-4 BLDG229H 10'	7/11/00	1200		X	1	X								
13360	1	B-1 BLDG229J 10'	7/11/00	1350		X	1	X								
13361	1	B-2 BLDG229J 10'	7/11/00	1410		X	1	X								
13362	1	B-3 BLDG229J 10'	7/11/00	1440		X	1	X								
13363	1	B-4 BLDG229J 10	7/11/00	1525		X	1	X								

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
S Swellsberger	LIVELSBERGER APEX	7/11/00 PM	FED-EX		
FED-EX			[signature]	GCI	7.12.00 10:00

* May Requ[illegible]charge

WHITE COPY - LAB YELLOW - REPORT C[illegible] PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 3[illegible]

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0003871

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACOE-MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-3 BLDG72A 7'; grab, 11-Jul-2000(0900)	Soil	000013354	12-Jul-2000
B-4 BLDG72A 7'; grab, 11-Jul-2000(0915)	Soil	000013355	12-Jul-2000
B-1 BLDG229H 10'; grab, 11-Jul-2000(1030)	Soil	000013356	12-Jul-2000
B-2 BLDG229H 10'; grab, 11-Jul-2000(1110)	Soil	000013357	12-Jul-2000
B-3 BLDG229H 10'; grab, 11-Jul-2000(1130)	Soil	000013358	12-Jul-2000
B-4 BLDG229H 10'; grab, 11-Jul-2000(1200)	Soil	000013359	12-Jul-2000
B-1 BLDG229J 10', 11-Jul-2000(1350)	Soil	000013360	12-Jul-2000
B-2 BLDG229J 10'; grab, 11-Jul-2000(1410)	Soil	000013361	12-Jul-2000
B-3 BLD229J 10'; grab, 11-Jul-2000(1440)	Soil	000013362	12-Jul-2000

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Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0003871

Client: APEX

Sample Id: **Submitted samples: B-3 BLDG72A 7'; grab collected on 11-Jul-00(09:00)**
Laboratory Sample Number: 000013354

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(08:44)
n-Pentacosane(surrogate)	98 % Rec	NA	EPA-8015B	MST	14-Jul-00(08:44)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: **0003871**

Client: **APEX**

Sample Id: **Submitted samples: B-4 BLDG72A 7'; grab collected on 11-Jul-00(09:15)**
Laboratory Sample Number: 000013355

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(09:58)
n-Pentacosane(surrogate)	100 % Rec	NA	EPA-8015B	MST	14-Jul-00(09:58)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Building 72
VOA

UC01675

GASCONADE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report # 0004249 Rpt
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Environmental
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project NWTB T-72A
Sampler/MUSE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: 5 Days TAT 8/3/00
TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY LINE NO	SAMPLE USE ONLY CODES ABOVE	SAMPLE IDENTIFICATION (Case and Aquifer if Quarters Here)	SAMPLE COLLECTED DATE	TIME	MATRIX	GRAB	NUMBER OF CONTAINERS	TPHC-418.1	SOA TCL VOLS BTEX PEM TCL SVOCs	T. Solids	TCL VOLS SW TICs	COMMENTS (Use matrix number if more than one)
14998	SO	72A-01	7/27	1420	S	X	1	X				
	SO	72A-01A	7/27	1425	S	X	2		X			Hold pending 418.1
14999	SO	72A-02	7/27	1430	S	X	1	X				
16505	SO	72A-02A	7/27	1435	S	X	2		X			"
15000	SO	72A-03	7/27	1440	S	X	1	X				
	SO	72A-03A	7/27	1445	S	X	2		X			"
15001	SO	72A-04	7/27	1449	S	X	1	X				
	SO	72A-04A	7/27	1450	S	X	2		X			"
15002	SO	72A-05	7/27	1453	S	X	1	X				
	SO	72A-05A	7/27	1455	S	X	2		X			"

Total Number of Containers: 15

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (Signature):	Printed Name/Affiliation: Joe Lockwood/Apex	Date/Time: 7/28/00 1126	Received By (Signature):
Relinquished By (Signature):	Printed Name/Affiliation:	Date/Time:	Received By (Signature):
Relinquished By (Signature):	Printed Name/Affiliation:	Date/Time:	Received By (Signature):

Printed Name/Affiliation: TRAN PHAM GLP	Date/Time: 7/28/00 1820	
Printed Name/Affiliation:	Date/Time:	
Printed Name/Affiliation:	Date/Time:	

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 9 20C

Sent by:APEX ENVIRONMENTAL Aug-30-00 14:48 from 301 975 9488→2012229202 Page 17/18

SAMPLE SUBMITTAL & CHAIN-OF-CUSTODY RECORD

0004075 ac 5f

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	0004075
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Envl.
Contact: Travis Blanton
Phone No. 301-417-0280
FAX No. 301-417-0289

Sample Site/Project 72A
Sampler/MODE # 8064-1200
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE 5 Days TAT 8/4/00

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep Brief Approx 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS
15003	SO	72A-06D	7/27	1457		X	1
*16506	SO	72A-06DA	7/27	1500		X	2

TESTS REQUIRED: TPHC 418.1; VOA 8260 (incl. BTEX & MTBE); 7 Metals

COMMENTS (i.e. methods, detection limits, etc.): Hold pending further analysis

Total Number of Containers: 3

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
L Blanton	Travis Blanton	7/28/00 1120			
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

WHITE - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT 501 5.2000

Sent by:APEX ENVIRONMENTAL Aug-30-00 14:48 from 301 975 9488>2012229202 page 18/18
24-2000 MON 10:35 10:APEX ENVIRON NO. page 2

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004675

APEX
15850 Crabbe Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-72A; grab:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
72A-02A; grab, 27-Jul-2000(1435)	Soil	000016505	28-Jul-2000
72A-06DA; grab, 27-Jul-2000(1500)	Soil	000016506	28-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/28/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Please see reverse side for explanation of terms

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1600

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-02A; grab collected on 27-Jul-00(14:35)**
Laboratory Sample Number: 000016505

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	24-Aug-00(03:05)
Decachlorobiphenyl(surrogate)	106 % Rec	NA	EPA-8082	MST	24-Aug-00(03:05)
Tetrachloro-m-xylene(surrogate)	106 % Rec	NA	EPA-8082	MST	24-Aug-00(03:05)

Sample/Test Notes:
Sample extracted past EPA recommended holding time.

4,6-Dinitro-2-Methyl Phenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,4-Dinitrophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Nitrophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Methylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,4-Dimethylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,4-Dichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,4,5-Trichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
4-Methylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
4-Chloro-3-Methyl Phenol	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
4-Nitrophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Pentachlorophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Phenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Chlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,4,6-Trichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Fluorophenol(surrogate)	74 % Rec	NA	EPA-8270C	THP	24-Aug-00(18:43)
Phenol-d5(surrogate)	81 % Rec	NA	EPA-8270C	THP	24-Aug-00(18:43)
2,4,6-Tribromophenol(surrogate)	91 % Rec	NA	EPA-8270C	THP	24-Aug-00(18:43)

Sample/Test Notes:
Sample extracted past EPA recommended holding time.

4-Chloroaniline	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
4-Chlorophenyl Phenyl Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,4-Dinitrotoluene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Bis(2-Chloroethyl)Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-02A; grab collected on 27-Jul-00(14:35)**
Laboratory Sample Number: 000016505

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bis(2-Ethylhexyl)Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Methylnaphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
3,3'-Dichlorobenzidine	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
3-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
[redacted]-Trichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
1,2-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
1,4-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
4-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Acenaphthylene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Acenaphthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Benzo(g,h,i)Perylene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Benzo(a)Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Benzo(a)Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Benzo(b)Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Benzo(k)Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Bis(2-Chloroethoxy)Methane	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
4-Bromophenyl Phenyl Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
1,3-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2-Chloronaphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Butyl Benzyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Carbazole	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Chrysene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Hexachlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
[redacted]chlorobutadiene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
[redacted]chlorocyclopentadiene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Hexachloroethane	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Dibenz(a,h)Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Dibenzofuran	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Di-n-Butyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)

Gascoyne Laboratories, Inc.
Baltimore, MD 21224
(410) 633-1800
FAX NO.
(410) 633-5443
www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004675
Client: APEX
Sample Id: Submitted samples: 72A-02A; grab collected on 27-Jul-00(14:35)
Laboratory Sample Number: 000016505

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diethyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Dimethyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Di-n-Octyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
F[illegible]ene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
[illegible]b(1,2,3-cd)Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Isophorone	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Naphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Nitrobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
N-Nitrosodiphenylamine	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
N-Nitrosodi-N-propylamine	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Phenanthrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Bis(2-Chloroisopropyl)Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
2,6-Dinitrotoluene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(18:43)
Nitrobenzene-d5(surrogate)	62 % Rec	NA	EPA-8270C	THP	24-Aug-00(18:43)
2-Fluorobiphenyl(surrogate)	83 % Rec	NA	EPA-8270C	THP	24-Aug-00(18:43)
Terphenyl-d14(surrogate)	68 % Rec	NA	EPA-8270C	THP	24-Aug-00(18:43)

Sample/Test Notes:
Sample extracted past EPA recommended holding time.

Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Vinyl Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Bromomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
C[illegible]oethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
[illegible]ne	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
,,-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Carbon Disulfide	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Methylene Chloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
trans-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample id: Submitted samples: 72A-02A; grab collected on 27-Jul-00(14:35)
Laboratory Sample Number: 000016505

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
cis-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Chloroform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
1,1,1-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
[redacted]n Tetrachloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Benzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
1,2-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Trichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
1,2-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Bromodichloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
4-Methyl-2-Pentanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
cis-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Toluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
trans-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
1,1,2-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
2-Hexanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Tetrachloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Dibromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Chlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Ethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Styrene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Bromoform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
1,1,2,2-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	18-Aug-00(23:30)
[redacted]mofluoromethane(surrogate)	102 % Rec	NA	EPA-8260B	THP	18-Aug-00(23:30)
[redacted]ichloroethane-d4(surrogate)	107 % Rec	NA	EPA-8260B	THP	18-Aug-00(23:30)
Toluene-d8(surrogate)	105 % Rec	NA	EPA-8260B	THP	18-Aug-00(23:30)

Please see reverse side for explanation of terms and other information.

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-02A; grab collected on 27-Jul-00(14:35)**
Laboratory Sample Number: 000016505

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	105 % Rec	NA	EPA-8260B	THP	18-Aug-00(23:30)
Sample/Test Notes: Sample extracted past EPA recommended holding time.					
[redacted]ue at 105°C	92.4 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	22-Aug-00(14:12)
Mercury(Hg)	0.04 ppm-dwb	0.03 ppm-dwb	EPA-7471A	JLS	22-Aug-00(13:10)
Antimony(Sb)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Arsenic(As)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Beryllium(Be)	0.34 ppm-dwb	0.25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Cadmium(Cd)	<0.50 ppm-dwb	0.50 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Chromium(Cr)	13 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Copper(Cu)	14 ppm-dwb	0.5 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Lead(Pb)	30 ppm-dwb	5.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Nickel(Ni)	13 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Selenium(Se)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Silver(Ag)	<1.0 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Thallium(Tl)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)
Zinc(Zn)	64 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:20)

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-06DA; grab collected on 27-Jul-00(15:00)**
Laboratory Sample Number: 000016506

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
PCBs	<1 ppm-dwb	1 ppm-dwb	EPA-8082	MST	24-Aug-00(03:38)
Decachlorobiphenyl(surrogate)	95 % Rec	NA	EPA-8082	MST	24-Aug-00(03:38)
Tetrachloro-m-xylene(surrogate)	97 % Rec	NA	EPA-8082	MST	24-Aug-00(03:38)

Sample/Test Notes:
Sample extracted past EPA recommended holding time.

4,6-Dinitro-2-Methyl Phenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,4-Dinitrophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Nitrophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Methylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,4-Dimethylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,4-Dichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,4,5-Trichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
4-Methylphenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
4-Chloro-3-Methyl Phenol	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
4-Nitrophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Pentachlorophenol	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Phenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Chlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,4,6-Trichlorophenol	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Fluorophenol(surrogate)	78 % Rec	NA	EPA-8270C	THP	24-Aug-00(19:24)
Phenol-d5(surrogate)	71 % Rec	NA	EPA-8270C	THP	24-Aug-00(19:24)
2,4,6-Tribromophenol(surrogate)	96 % Rec	NA	EPA-8270C	THP	24-Aug-00(19:24)

Sample/Test Notes:
Sample extracted past EPA recommended holding time.

4-Chloroaniline	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
4-Chlorophenyl Phenyl Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,4-Dinitrotoluene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Bis(2-Chloroethyl)Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-06DA; grab collected on 27-Jul-00(15:00)**
Laboratory Sample Number: 000016506

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bis(2-Ethylhexyl)Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Methylnaphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
3,3'-Dichlorobenzidine	<0.72 ppm-dwb	0.72 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
3-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
[redacted]Trichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
,2-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
1,4-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
4-Nitroaniline	<1.8 ppm-dwb	1.8 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Acenaphthylene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Acenaphthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Benzo(g,h,i)Perylene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Benzo(a)Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Benzo(a)Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Benzo(b)Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Benzo(k)Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Bis(2-Chloroethoxy)Methane	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
4-Bromophenyl Phenyl Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
1,3-Dichlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2-Chloronaphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Butyl Benzyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Carbazole	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Chrysene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Hexachlorobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
H[redacted]chlorobutadiene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
[redacted]chlorocyclopentadiene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Hexachloroethane	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Dibenz(a,h)Anthracene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Dibenzofuran	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Di-n-Butyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-06DA; grab collected on 27-Jul-00(15:00)**
Laboratory Sample Number: 000016506

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diethyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Dimethyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Di-n-Octyl Phthalate	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Fluoranthene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Fluorene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
[illegible]o(1,2,3-cd)Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
[illegible]phorone	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Naphthalene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Nitrobenzene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
N-Nitrosodiphenylamine	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
N-Nitrosodi-N-propylamine	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Phenanthrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Pyrene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Bis(2-Chloroisopropyl)Ether	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
2,6-Dinitrotoluene	<0.36 ppm-dwb	0.36 ppm-dwb	EPA-8270C	THP	24-Aug-00(19:24)
Nitrobenzene-d5(surrogate)	66 % Rec	NA	EPA-8270C	THP	24-Aug-00(19:24)
2-Fluorobiphenyl(surrogate)	88 % Rec	NA	EPA-8270C	THP	24-Aug-00(19:24)
Terphenyl-d14(surrogate)	72 % Rec	NA	EPA-8270C	THP	24-Aug-00(19:24)

Sample/Test Notes:
Sample extracted past EPA recommended holding time.

Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Vinyl Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Bromomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Chloroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
[illegible]ne	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
[illegible]ichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Carbon Disulfide	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Methylene Chloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
trans-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)

Please see reverse side for explanation of terms and other information.

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REPORT OF ANALYSIS

Report no: 0004675

Client: APEX

Sample Id: **Submitted samples: 72A-06DA; grab collected on 27-Jul-00(15:00)**
Laboratory Sample Number: 000016506

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
cis-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Chloroform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
1,1,1-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
[redacted]n Tetrachloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
[redacted]enzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
1,2-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Trichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
1,2-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Bromodichloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
4-Methyl-2-Pentanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
cis-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Toluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
trans-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
1,1,2-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
2-Hexanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Tetrachloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Dibromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Chlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Ethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Styrene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Bromoform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
1,1,2,2-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	19-Aug-00(00:02)
[redacted]mofluoromethane(surrogate)	96 % Rec	NA	EPA-8260B	THP	19-Aug-00(00:02)
[redacted]chloroethane-d4(surrogate)	101 % Rec	NA	EPA-8260B	THP	19-Aug-00(00:02)
Toluene-d8(surrogate)	103 % Rec	NA	EPA-8260B	THP	19-Aug-00(00:02)

Please see reverse side for explanation of terms and other information

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REPORT OF ANALYSIS

Report no: 0004675
Client: APEX
Sample Id: Submitted samples: 72A-06DA; grab collected on 27-Jul-00(15:00)
Laboratory Sample Number: 000016506

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Bromofluorobenzene(surrogate)	111 % Rec	NA	EPA-8260B	THP	19-Aug-00(00:02)
Sample/Test Notes: Sample extracted past EPA recommended holding time.					
[redacted]due at 105°C	93.2 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	22-Aug-00(14:12)
Mercury(Hg)	0.05 ppm-dwb	0.03 ppm-dwb	EPA-7471A	JLS	22-Aug-00(13:13)
Antimony(Sb)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Arsenic(As)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Beryllium(Be)	<0.25 ppm-dwb	0.25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Cadmium(Cd)	<0.50 ppm-dwb	0.50 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Chromium(Cr)	9.7 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Copper(Cu)	12 ppm-dwb	0.5 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Lead(Pb)	30 ppm-dwb	5.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Nickel(Ni)	11 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Selenium(Se)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Silver(Ag)	<1.0 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Thallium(Tl)	<25 ppm-dwb	25 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)
Zinc(Zn)	56 ppm-dwb	1.0 ppm-dwb	EPA-6010B	JSM	23-Aug-00(20:42)

Please see reverse side for explanation of terms and other information.

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 18 Aug 2000 23:30
Data File: C:\HPCHEM\1\DATA\AUG18C0\FA271.D
Name: APEX, 72A-02A (5.00G/10ML)
Misc: APEX, 72A-02A, 100UL/5ML + 1UL H89-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/524
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.22	5.0	ug/L	000623-42-7

FA271.D HOWARDW.M Fri Aug 25 06:28:47 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 24 Aug 2000 18:43
Data File: C:\HPCHEM\1\DATA\AUG2400\HB207.D
Name: 0004675-016505
Misc: APEX, 72A-02A, 30:1+X119-4
Method: C:\HPCHEM\1\METHODS\BNAAUG17.M (RTE Integrator)
Title: GLI BNA Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Octanol	3.58	80.1	ug/L	4460560	ISTD01	5.75	2228770	40.0
5-Fluoro-2-chloropyr	5.55	65.7	ug/L	3660280	ISTD01	5.75	2228770	40.0
1,4-Dichlorobenzene-	6.16	64.2	ug/L	3578890	ISTD01	5.75	2228770	40.0
Fluoranthene	21.20	4.1	ug/L	112627	ISTD05	23.97	1111090	40.0
Cyclopropanenonanoic	24.12	9.0	ug/L	250847	ISTD05	23.97	1111090	40.0

HB207.D BNAAUG17.M Fri Aug 25 09:02:16 2000 RPT1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 19 Aug 2000 00:02
Data File: C:\HPCHEM\1\DATA\AUG180C\FA272.D
Name: APEX, 72A-06DA (5.01G/10ML)
Misc: APEX, 72A-06DA, 100UL/5ML + 1UL H89-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Butanoic acid, methyl ester	14.23	4.3	ug/L	000623-42-7

FA272.D HOWARDW.M Fri Aug 25 06:36:20 2000 RTP1

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 24 Aug 2000 19:24
Data File: C:\HPCHEM\1\DATA\AUG2400\HB208.D
Name: 0004675-016506
Misc: APEX, 72A-06DA, 30:1+X119-4
Method: C:\HPCHEM\1\METHODS\BNAAUG17.M (RTE Integrator)
Title: GLI BNA Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Octanol	3.56	71.6	ug/L	4157210	ISTD01	5.74	2322440	40.0
5-Fluoro-2-chloropyr	5.53	66.1	ug/L	3839780	ISTD01	5.74	2322440	40.0
Benzene-1,2,3,4-d4-,	6.16	63.9	ug/L	3711190	ISTD01	5.74	2322440	40.0
Cyclohexasiloxane, d	10.73	8.5	ug/L	436208	ISTD02	8.80	2062850	40.0
3-Isopropoxy-1,1,1,7	13.37	12.5	ug/L	669885	ISTD03	13.65	2145630	40.0
N-(Trifluoroacetyl)-	15.75	8.8	ug/L	471802	ISTD03	13.65	2145630	40.0
1,1,1,5,7,7,7-Heptam	17.82	6.2	ug/L	283083	ISTD04	17.88	1824710	40.0
Trisiloxane, 1,1,1,5	19.64	4.8	ug/L	219330	ISTD04	17.88	1824710	40.0
Trisiloxane, 1,1,1,5	21.06	7.1	ug/L	196911	ISTD05	23.97	1104750	40.0
Pyrene	21.64	10.1	ug/L	279734	ISTD05	23.97	1104750	40.0
Butyl hexadecanoate	21.70	10.5	ug/L	290840	ISTD05	23.97	1104750	40.0
1,1,1,5,7,7,7-Heptam	22.14	6.9	ug/L	189361	ISTD05	23.97	1104750	40.0
2H-1,4-Benzodiazepin	23.03	11.7	ug/L	322744	ISTD05	23.97	1104750	40.0
3-Isopropoxy-1,1,1,7	23.81	7.2	ug/L	198675	ISTD05	23.97	1104750	40.0
3-Isopropoxy-1,1,1,7	24.50	6.6	ug/L	181815	ISTD05	23.97	1104750	40.0
1,1,5,7,7,7-Heptam	25.13	7.2	ug/L	154040	ISTD06	26.24	853423	40.0
Benzo[e]pyrene	25.71	6.3	ug/L	135175	ISTD06	26.24	853423	40.0

HB208.D BNAAUG17.M Fri Aug 25 09:40:13 2000 RPT1

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste-Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY

Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: APEX ENVIRONMENTAL
Contact: TRAVIS BLACK
Phone No. 301-417-0200
FAX No. 301-379-0169

Sample Site/Project USACOE/MOTBY
Sampler/MDOE #
Gascoyne Quote #
Client's P.O. # 10352.013

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED: TPH-DRO 418.1 TO 8015B

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH-DRO 418.1 TO 8015B	COMMENTS (i.e. Data Package, methods, detection limits, etc.)
	SO	B-1 BLDG42N 13'	7/12/00	0925		X	1	X	
		B-2 BLDG42N 10'		0930					
		B-3 BLDG42N 13'		0945 ~~1355~~					
		B-4 BLDG42N 13'		1030					
		B-1 BLDG234A 13'		1130					
		B-2 BLDG234A 13'		1155					
		B-3 BLDG234A 13'		1355					
		B-4 BLDG234A 13'		1435					

Total Number of Containers 8

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
S Swedeberger	LIVELSBERGER	7/12/00 PM	Melanie Housekrecht	GL	7-18-00 0735

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-8443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004001

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACOE/MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1 BLDG42N 13'; grab, 12-Jul-2000(0925)	Soil	000013955	18-Jul-2000
B-2 BLDG42N 10'; grab, 12-Jul-2000(0930)	Soil	000013956	18-Jul-2000
B-3 BLDG42N 13'; grab, 12-Jul-2000(0945)	Soil	000013957	18-Jul-2000
B-4 BLDG42N 13'; grab, 12-Jul-2000(1030)	Soil	000013958	18-Jul-2000
B-1 BLDG234A 13'; grab, 12-Jul-2000(1130)	Soil	000013959	18-Jul-2000
B-2 BLDG234A 13'; grab, 12-Jul-2000(1155)	Soil	000013960	18-Jul-2000
B-3BLDG234A 13'; grab, 12-Jul-2000(1355)	Soil	000013961	18-Jul-2000
B-4 BLDG234A 13'; grab, 12-Jul-2000(1435)	Soil	000013962	18-Jul-2000
B-1 BLDG254 11'; grab, 13-Jul-2000(0900)	Soil	000013963	18-Jul-2000
B2 BLDG254 7'; grab, 13-Jul-2000(0930)	Soil	000013964	18-Jul-2000
B-3 BLDG254 4'; grab, 13-Jul-2000(1000)	Soil	000013965	18-Jul-2000
B-4 BLDG254 7'; grab, 13-Jul-2000(1020)	Soil	000013966	18-Jul-2000
B-1 BLDG82 7'; grab, 13-Jul-2000(1130)	Soil	000013967	18-Jul-2000
B-2 BLDG82 7'; grab, 13-Jul-2000(1150)	Soil	000013968	18-Jul-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: **Submitted samples: B-1 BLDG234A 13'; grab collected on 12-Jul-00(11:30)**
Laboratory Sample Number: 000013959

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(16:01)
n-Pentacosane(surrogate)	96 % Rec	NA	EPA-8015B	MST	24-Jul-00(16:01)

Gascoyne Laboratories, Inc.

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-2 BLDG234A 13'; grab collected on 12-Jul-00(11:55)
Laboratory Sample Number: 000013960

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(16:44)
n-Pentacosane(surrogate)	98 % Rec	NA	EPA-8015B	MST	24-Jul-00(16:44)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: **Submitted samples: B-3BLDG234A 13'; grab collected on 12-Jul-00(13:55)**
Laboratory Sample Number: 000013961

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(17:27)
n-Pentacosane(surrogate)	106 % Rec	NA	EPA-8015B	MST	24-Jul-00(17:27)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

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(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-4 BLDG234A 13'; grab collected on 12-Jul-00(14:35)
Laboratory Sample Number: 000013962

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(09:03)
n-Pentacosane(surrogate)	103 % Rec	NA	EPA-8015B	MST	25-Jul-00(09:03)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004249

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-234A:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
234A-01; grab, 27-Jul-2000(1105)	Soil	000014979	28-Jul-2000
234A-02; grab, 27-Jul-2000(1110)	Soil	000014980	28-Jul-2000
234A-03; grab, 27-Jul-2000(1120)	Soil	000014982	28-Jul-2000
234A-04; grab, 27-Jul-2000(1125)	Soil	000014983	28-Jul-2000
234A-05; grab, 27-Jul-2000(1135)	Soil	000014984	28-Jul-2000
234A-06; grab, 27-Jul-2000(1140)	Soil	000014985	28-Jul-2000
234A-07; grab, 27-Jul-2000(1145)	Soil	000014986	28-Jul-2000

Printed on recycled paper.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004249

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
234A-08; grab, 27-Jul-2000(1150)	Soil	000014987	28-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman 8/8/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004249
Report to: APEX

Total Petroleum Hydrocarbons EPA-418.1M

Client Sample ID	Laboratory Sample Number	Test Results	Laboratory Reporting Limit	Analyst	Date/Time of Analysis
234A-01; grab dated 07/27/00(11:05)	000014979	60 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
234A-02; grab dated 07/27/00(11:10)	000014980	20 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
234A-03; grab dated 07/27/00(11:20)	000014982	26 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
23[redacted]; grab dated 07/27/00(11:25)	000014983	14 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
234A-05; grab dated 07/27/00(11:35)	000014984	50 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
234A-06; grab dated 07/27/00(11:40)	000014985	11 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
234A-07; grab dated 07/27/00(11:45)	000014986	20 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
234A-08; grab dated 07/27/00(11:50)	000014987	19 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

GASCONE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Paint Bl	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste - Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # 00[redacted]249
Temp. Blk. ____
Cooler # ____
PUC # ____

Test Results to:
Company: APEX ENV. Inc.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBT-234A
Sampler/MDOE # ____
Client's P.O. # ____

RESULTS NEEDED BY: ☐ ROUTINE ☒ PRIORITY* BY: 5 Days TAT 8/4/00 (TIME / DAY / DATE)

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE (if applicable)	SAMPLE IDENTIFICATION (Keep brief. Approx. 15 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1 IR	VOA+10++ 8260							COMMENTS (i.e. matrix, detection limits, etc.)
14979	SO	234A-01	7/27	1105		X	1	X								Flow 25-50 % Highest TPH GC 1000PPM for VOA - Apex verbal authorization
"	SO	234A-01A	7/27	1107		X	1		X							HOLD pending TPH
14980	SO	234A-02	7/27	1110		X	1	X								
"	SO	234A-02A	7/27	1112		X	1		X							" "
14981	SO	234A-02D	7/27	1115		X	1	X								
"	SO	234A-02DA	7/27	1117		X	1		X							" "
14982	SO	234A-03	7/27	1120		X	1	X								
"	SO	234A-03A	7/27	1123		X	1		X							" "
14983	SO	234A-04	7/27	1125		X	1	X								
"	SO	234A-04A	7/27	1130		Y	1		X							" "

Total Number of Containers: 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation: JOE Lockwood / APEX	Date: 7/28/00 Time: 12:20	Received By (signature):	Printed Name/Affiliation: TRAN PHAM GCT	Date: 7/28/00 Time: 1820
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

YELLOW - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT 501 5.2001

MON 16:35 APEX ENVIRON NJ 908 PAGE 2

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

Page 2 of 2

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY	
Report #	0004249
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Env.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0769

Sample Site/Project: MOTBY - 234A
Sampler/MDOE #:
Client's P.O. #:

RESULTS NEEDED BY: ☐ ROUTINE ☒ PRIORITY* BY: 5 Days TAT (TIME / DAY / DATE) 8/4/00

TESTS REQUIRED

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep Int of Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA+10+X 8260							COMMENTS (e.g. methods, reporting limits, etc.)
14984	SO	234A-05	7/27	1135		X	1	X								
	SO	234A-05A	7/27	1131		X	1		X							Hold pending TPH
14985	SO	234A-06	7/27	1140		X	1	X								
	SO	234A-06A	7/27	1142		X	1		X							"
14986	SO	234A-07	7/27	1145		X	1	X								
	SO	234A-07A	7/27	1147		X	1		X							"
14987	SO	234A-08	7/27	1150		X	1	X								
	SO	234A-08A	7/27	1155		X	1		X							"
																"

Run 25% of Highest Contacting TPH (1000ppm) for VOA - after verbal authorization

Total Number of Containers: 8

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
Travis Black	Travis Black	7/28/00 18:20	[signature]	TRAN PHAM 82R	7/28/00 1820

501 5 200

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004392

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-234A:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
234A-02D, 27-Jul-2000(1115)	Soil	000015512	02-Aug-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/8/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004392

Client: APEX

Sample Id: Submitted samples: 234A-02D collected on 27-Jul-00(11:15)
Laboratory Sample Number: 000015512

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	32 ppm-arb	10 ppm-arb	EPA-418.1M	RLD	03-Aug-00(10:10)

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Please see reverse side for explanation of terms and other information

GASCOYNE LABORATORIES, INC.

2101 [redacted] Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report # 0004424 Pdf
Temp. Blk. 0004392
Cooler #
PUC #

Paint Chips	PB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil	OL	Waste Liquid	L	Surface Water	SW
Paint Chips	PC	Waste Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: APEX ENV. Inc.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project: MOTBY-234A
Sampler/MDOE #:
Client's P.O. #:

RESULTS NEEDED BY: ☐ ROUTINE ☒ PRIORITY* BY: 5 Days TAT 8/4/00 (TIME / DAY / DATE)
New DW 7/31/00

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE (if applicable)	SAMPLE IDENTIFICATION (Keep brief/Approx. 15 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH-418.1	VOA+10++ 8260						COMMENTS (i.e. method, detection limits, etc.)
14979	SO	234A-01	7/27	1105		X	1	X							Log Sample
	SO	234A-01A	7/27	1107		X	1		X						on Expedited report
14980	SO	234A-02	7/27	1110		X	1	X							Hold pending TPH
~~14981~~	~~SO~~	234A-02A	7/27	1112		X	1		X						" "
~~14981~~	~~SO~~	234A-02D	7/27	1115		X	1	X							
	SO	234A-02DA	7/27	1117		X	1		X						" "
14982	SO	234A-03	7/27	1120		X	1	X							
	SO	234A-03A	7/27	1123		X	1		X						" "
14983	SO	234A-04	7/27	1125		X	1	X							
	SO	234A-04A	7/27	1130		X	1		X						" "

Run 25% of highest (Hg + 4 @ 100ppm) for VOA - Archive verbal auth.

Total Number of Containers: 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
	JDE Lockwood / APEX	7/28/00 12:20		TRAN NHAN GCT	7/28/00 1220

Received Sample 8/2/00

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 5.2001

PAGE: 2

Building 42
B

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste-Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY

Report # _____
Temp. Blk. _____
Cooler # _____
PUC # _____

Test Results to:

Company: APEX ENVIRONMENTAL
Contact: TRAVIS BLACK
Phone No. 301-417-0200
FAX No. 301-379-0169

Sample Site/Project USACOE/MOTBY
Sampler/MDOE # _____
Gascoyne Quote # _____
Client's P.O. # 10352.013

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: _____ TIME _____ DAY _____ DATE

TESTS REQUIRED: TPH DRO 4TB 8015B

LIMS NO. LAB USE ONLY	SAMPLE TYPE CODES	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH DRO 4TB 8015B	COMMENTS (i.e. Data Package, methods, detection limits, etc.)
	SO	B-1 BLDG42N 13'	7/12/00	0925		X	1	X	
		B-2 BLDG42N 10'		0930					
		B-3 BLDG42N 13'	09	~~1355~~					
		B-4 BLDG42N 13'		1030					
		B-1 BLDG234A 13'		1130					
		B-2 BLDG234A 13'		1155					
		B-3 BLDG234A 13'		1355					
		B-4 BLDG234A 13'		1435					

Total Number of Containers: 8

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
S Swedeberger	LIVELSBERGER	7/12/00 PM	Melanie Housekrecht	GU	7-18-00 0735

501 3.00

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid	L	Surface Water	SW
Paint Chips	PC	Solids	S	Waste Water	WW
Wipe	WP				

LAB USE ONLY

Report # _____
Temp. Blk. _____
Cooler # _____
PUC # _____

Test Results to:

Company: APEX ENVIRONMENTAL
Contact: TRAVIS BLACK
Phone No. 301-417-0200
FAX No. 301-379-0169

Sample Site/Project: USACOE/MTOBY
Sampler/MDOE # _____
Gascoyne Quote # _____
Client's P.O. # 10352.013

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: _____ TIME _____ DAY _____ DATE

TESTS REQUIRED

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH DRO TO 418.1 8015B							COMMENTS (i.e. Data Package, methods, detection limits, etc.)
	SO	B-1 BLDG254 11'	7/13/00	0900		X	1	X							
		B-2 BLDG254 7'		0930											
		B-3 BLDG254 4'		1000											
		B-4 BLDG254 7'		1020											
		B-1 BLDG82 7'		1130											
		B-2 BLDG82 7'		1150											
		B-3 BLDG82 10'		1340											

Total Number of Containers (7)

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
S Bwelsberger	Uwe Sperber / APEX	7/13/00 PM	Melanie Housethecht	ALL	7-18-00 0735

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004001

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACOE/MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1 BLDG42N 13'; grab, 12-Jul-2000(0925)	Soil	000013955	18-Jul-2000
B-2 BLDG42N 10'; grab, 12-Jul-2000(0930)	Soil	000013956	18-Jul-2000
B-3 BLDG42N 13'; grab, 12-Jul-2000(0945)	Soil	000013957	18-Jul-2000
B-4 BLDG42N 13'; grab, 12-Jul-2000(1030)	Soil	000013958	18-Jul-2000
B-1 BLDG234A 13'; grab, 12-Jul-2000(1130)	Soil	000013959	18-Jul-2000
B-2 BLDG234A 13'; grab, 12-Jul-2000(1155)	Soil	000013960	18-Jul-2000
B-3BLDG234A 13'; grab, 12-Jul-2000(1355)	Soil	000013961	18-Jul-2000
B-4 BLDG234A 13'; grab, 12-Jul-2000(1435)	Soil	000013962	18-Jul-2000
B-1 BLDG254 11'; grab, 13-Jul-2000(0900)	Soil	000013963	18-Jul-2000
B2 BLDG254 7'; grab, 13-Jul-2000(0930)	Soil	000013964	18-Jul-2000
B-3 BLDG254 4'; grab, 13-Jul-2000(1000)	Soil	000013965	18-Jul-2000
B-4 BLDG254 7'; grab, 13-Jul-2000(1020)	Soil	000013966	18-Jul-2000
B-1 BLDG82 7'; grab, 13-Jul-2000(1130)	Soil	000013967	18-Jul-2000
B-2 BLDG82 7'; grab, 13-Jul-2000(1150)	Soil	000013968	18-Jul-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-1 BLDG42N 13'; grab collected on 12-Jul-00(09:25)
Laboratory Sample Number: 000013955

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	11 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(13:07)
n-Pentacosane(surrogate)	100 % Rec	NA	EPA-8015B	MST	24-Jul-00(13:07)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

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(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-2 BLDG42N 10'; grab collected on 12-Jul-00(09:30)
Laboratory Sample Number: 000013956

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	27 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(13:51)
n-Pentacosane(surrogate)	101 % Rec	NA	EPA-8015B	MST	24-Jul-00(13:51)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: **Submitted samples: B-3 BLDG42N 13'; grab collected on 12-Jul-00(09:45)**
Laboratory Sample Number: 000013957

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(14:34)
n-Pentacosane(surrogate)	102 % Rec	NA	EPA-8015B	MST	24-Jul-00(14:34)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-8448

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-4 BLDG42N 13'; grab collected on 12-Jul-00(10:30)
Laboratory Sample Number: 000013958

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	10 ppm-arb	10 ppm-arb	EPA-8015B	MST	24-Jul-00(15:17)
n-Pentacosane(surrogate)	98 % Rec	NA	EPA-8015B	MST	24-Jul-00(15:17)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004170

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project BAYONNE:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
42N-001; grab, 20-Jul-2000(1630)	Soil	000014661	26-Jul-2000
42N-002; grab, 20-Jul-2000(1635)	Soil	000014662	26-Jul-2000
42N-003; grab, 20-Jul-2000(1640)	Soil	000014663	26-Jul-2000
42N-004; grab, 20-Jul-2000(1645)	Soil	000014664	26-Jul-2000
42N-005; grab, 20-Jul-2000(1650)	Soil	000014665	26-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: Francis L. Ptak Laboratory President

8/5/00
Report issue date

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004170

Client: APEX

Sample Id: Submitted samples: 42N-001; grab collected on 20-Jul-00(16:30)
Laboratory Sample Number: 000014661

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	23 ppm-arb	10 ppm-arb	EPA-8015B	MST	27-Jul-00(22:54)
n-Pentacosane(surrogate)	109 % Rec	NA	EPA-8015B	MST	27-Jul-00(22:54)

Sample/Test Notes:
All samples were received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004170

Client: APEX

Sample Id: Submitted samples: 42N-002; grab collected on 20-Jul-00(16:35)
Laboratory Sample Number: 000014662

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	14 ppm-arb	10 ppm-arb	EPA-8015B	MST	27-Jul-00(23:37)
n-Pentacosane(surrogate)	108 % Rec	NA	EPA-8015B	MST	27-Jul-00(23:37)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004170

Client: APEX

Sample Id: Submitted samples: 42N-003; grab collected on 20-Jul-00(16:40)
Laboratory Sample Number: 000014663

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	19 ppm-arb	10 ppm-arb	EPA-8015B	MST	28-Jul-00(00:20)
n-Pentacosane(surrogate)	106 % Rec	NA	EPA-8015B	MST	28-Jul-00(00:20)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
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REPORT OF ANALYSIS

Report no: 0004170

Client: APEX

Sample Id: Submitted samples: 42N-004; grab collected on 20-Jul-00(16:45)
Laboratory Sample Number: 000014664

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	15 ppm-arb	10 ppm-arb	EPA-8015B	MST	28-Jul-00(01:47)
n-Pentacosane(surrogate)	110 % Rec	NA	EPA-8015B	MST	28-Jul-00(01:47)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004170

Client: APEX

Sample Id: Submitted samples: 42N-005; grab collected on 20-Jul-00(16:50)
Laboratory Sample Number: 000014665

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	12 ppm-arb	10 ppm-arb	EPA-8015B	MST	28-Jul-00(02:30)
n-Pentacosane(surrogate)	91 % Rec	NA	EPA-8015B	MST	28-Jul-00(02:30)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

PRW 7/26/00

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

Page ____ of ____

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report # [illegible]
Temp. Blk. ____
Cooler # ____
PUC # ____

Test Results to:

Company: APEX Environmental
Contact: TRAVIS BLACK
Phone No. 301 417-0200
FAX No. 301 975 0169

Sample Site/Project: Bayonne
Sampler/MDOE #: ____
Client's P.O. #: 10352.013

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: ____ TIME ____ DAY ____ DATE

TESTS REQUIRED: TPH-DRO 418.1 8015

SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH-DRO 418.1 8015								COMMENTS (i.e. methods, detection limits, etc.)
42N-001	7/24	430		X	1	X								
42N-002	7/24	435		X	1	X								
42N-003	7/24	440		X	1	X								
42N-004	7/24	445		X	1	X								
42N-005	7/24	450		X	1	X								

PRW 7/26/00

Total Number of Containers: 5

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
[signature]	TRAVIS BLACK	7/26/00 0855	[signature]	[signature]	7-26-00 0855

* May Require Surcharge

WHITE COPY - LAB YELLOW - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 5.2000

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid	[illegible]	Surface Water	SW
Paint Chips	PC	Solids	[illegible]	Waste Water	WW
Wipe	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: APEX ENVIRONMENTAL
Contact: TRAVIS BLACK
Phone No. 301-417-0200
FAX No. 301-379-0169

Sample Site/Project: USACOE/MTOBY
Sampler/MDOE #:
Gascoyne Quote #:
Client's P.O. #: 10352.013

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: ____ TIME ____ DAY ____ DATE

TESTS REQUIRED: TPH DRO 418.1 TO 8015B

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH DRO 418.1 TO 8015B							COMMENTS (i.e. Data Package, methods, detection limits, etc.)
	SO	B-1 BLDG254 11'	7/13/00	0900		X	1	X							
		B-2 BLDG254 7'		0930											
		B-3 BLDG254 4'		1000											
		B-4 BLDG254 7'		1020											
		B-1 BLDG82 7'		1130											
		B-2 BLDG82 7'		1150											
		B-3 BLDG82 10'		1340											

Total Number of Containers (7)

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
S Buckberger	Uwe Berger / APEX	7/13/00 PM	Melanie Housethecht	Ali	7-18-00 0735

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004001

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACOE/MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1 BLDG42N 13'; grab, 12-Jul-2000(0925)	Soil	000013955	18-Jul-2000
B-2 BLDG42N 10'; grab, 12-Jul-2000(0930)	Soil	000013956	18-Jul-2000
B-3 BLDG42N 13'; grab, 12-Jul-2000(0945)	Soil	000013957	18-Jul-2000
B-4 BLDG42N 13'; grab, 12-Jul-2000(1030)	Soil	000013958	18-Jul-2000
B-1 BLDG234A 13'; grab, 12-Jul-2000(1130)	Soil	000013959	18-Jul-2000
B-2 BLDG234A 13'; grab, 12-Jul-2000(1155)	Soil	000013960	18-Jul-2000
B-3BLDG234A 13'; grab, 12-Jul-2000(1355)	Soil	000013961	18-Jul-2000
B-4 BLDG234A 13'; grab, 12-Jul-2000(1435)	Soil	000013962	18-Jul-2000
B-1 BLDG254 11'; grab, 13-Jul-2000(0900)	Soil	000013963	18-Jul-2000
B2 BLDG254 7'; grab, 13-Jul-2000(0930)	Soil	000013964	18-Jul-2000
B-3 BLDG254 4'; grab, 13-Jul-2000(1000)	Soil	000013965	18-Jul-2000
B-4 BLDG254 7'; grab, 13-Jul-2000(1020)	Soil	000013966	18-Jul-2000
B-1 BLDG82 7'; grab, 13-Jul-2000(1130)	Soil	000013967	18-Jul-2000
B-2 BLDG82 7'; grab, 13-Jul-2000(1150)	Soil	000013968	18-Jul-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1300

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report No: 0004001

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-3 BLDG82 10'; grab, 13-Jul-2000(1340)	Soil	000013969	18-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 7/31/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: **Submitted samples: B-1 BLDG82 7'; grab collected on 13-Jul-00(11:30)**
Laboratory Sample Number: 000013967

arameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
iesel Range Organics(C10-C28)	13 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(12:38)
-Pentacosane(surrogate)	96 % Rec	NA	EPA-8015B	MST	25-Jul-00(12:38)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: **Submitted samples: B-2 BLDG82 7'; grab collected on 13-Jul-00(11:50)**
Laboratory Sample Number: 000013968

arameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
iesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(13:22)
-Pentacosane(surrogate)	102 % Rec	NA	EPA-8015B	MST	25-Jul-00(13:22)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-3 BLDG82 10'; grab collected on 13-Jul-00(13:40)
Laboratory Sample Number: 000013969

arameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
iesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(14:05)
-Pentacosane(surrogate)	92 % Rec	NA	EPA-8015B	MST	25-Jul-00(14:05)

... guide for explanation of terms and other information.

-24-2000 MON 16:35 ID:APEX ENVIRON NJ PAGE:2

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

0004250

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste - Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # 0004249 PP
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: APEX ENV. INC.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY-82TOC
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☒ PRIORITY* BY: 5 DAY TAT 8/4/00 (TIME / DAY / DATE)

TESTS REQUIRED

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA+10+X 8260							COMMENTS (i.e. methods, detection limits, etc.)
14988	SO	82TOC-01	7/27	810		X	1	X								
	SO	82TOC-01A	7/27	812		X	1		X							HOLD pending TPH
14989	SO	82TOC-02	7/27	815		X	1	X								
	SO	82TOC-02A	7/27	817		X	1		X							" "
14990	SO	82TOC-02D	7/27	820		X	1	X								
	SO	82TOC-02DA	7/27	822		X	1		X							" "
14991	SO	82TOC-03	7/27	824		X	1	X								
	SO	82TOC-03A	7/27	826		X	1		X							" "
14992	SO	82TOC-04	7/27	830		X	1	X								
	SO	82TOC-04A	7/27	833		X	1		X							" "

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
[signature]	JOE Lockwood / APEX	7/28/00 18:20	[signature]	TRAN PHAM GLP	7/28/00 1820
Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:

501 5.20

* ... REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

00 250

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report # 0004249 pf
Temp. Blk.
Cooler #
PUC #

Test Results to:
Company: Apex Env.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0168

Sample Site/Project NOTBY - 82TOC
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE: ☒ PRIORITY* BY: 5 days TAT 8/4/00
TIME DAY DATE

LAB USE ONLY LINE NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION	SAMPLE (COLLECTED) DATE	TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA 10xx 8260	COMMENTS
14993	SO	82TOC -05	7/27	8:35		X	1	X		
	SO	82TOC -05A	7/27	8:38		X	1		X	Hold pending TPH
14994	SO	82TOC -06	7/27	8:40		X	1	X		
	SO	82TOC -06A	7/27	8:45		X	1		X	"
14995	SO	82TOC -07	7/27	8:47		X	1	X		
	SO	82TOC -07A	7/27	8:50		X	1		X	"
14996	SO	82TOC -08	7/27	8:55		X	1	X		
	SO	82TOC -08A	7/27	8:57		X	1		X	"
14997	SO	82TOC-09	7/27	9:00		X	1	X		
	SO	82TOC-09A	7/27	9:05		X	1		X	"
		Total Number of Containers					10			

TESTS REQUIRED

If low 25% or 10 Highest Concentr. TPH (100ppm) for VOA - after verbal authorization

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date Time
Travis N Black	Travis N Black	7/28/00 18:20		TRAN PHAN GCE	7/29/00 1320
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

501 5 20

YELLOW - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

7-24-2000 MON 16:35 TO:APEX ENVIRON LLC PAGE:2

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004250

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-82TOC:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
82TOC-01; grab, 27-Jul-2000(0810)	Soil	000014988	28-Jul-2000
82TOC-02; grab, 27-Jul-2000(0815)	Soil	000014989	28-Jul-2000
82TOC-02D; grab, 27-Jul-2000(0820)	Soil	000014990	28-Jul-2000
82TOC-03; grab, 27-Jul-2000(0824)	Soil	000014991	28-Jul-2000
82TOC-04; grab, 27-Jul-2000(0830)	Soil	000014992	28-Jul-2000
82TOC-05; grab, 27-Jul-2000(0835)	Soil	000014993	28-Jul-2000
82TOC-06; grab, 27-Jul-2000(0840)	Soil	000014994	28-Jul-2000
82TOC-07; grab, 27-Jul-2000(0847)	Soil	000014995	28-Jul-2000
82TOC-08; grab, 27-Jul-2000(0855)	Soil	000014996	28-Jul-2000

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Please see reverse side for explanation of terms and other information

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004250

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
82TOC-09; grab, 27-Jul-2000(0900)	Soil	000014997	28-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date: 8/8/00

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004250
Report to: APEX

Total Petroleum Hydrocarbons EPA-418.1M

Client Sample ID	Laboratory Sample Number	Test Results	Laboratory Reporting Limit	Analyst	Date/Time of Analysis
82TOC-01; grab dated 07/27/00(08:10)	000014988	26 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-02; grab dated 07/27/00(08:15)	000014989	31 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-02D; grab dated 07/27/00(08:20)	000014990	27 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82[illegible]-03; grab dated 07/27/00(08:24)	000014991	38 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-04; grab dated 07/27/00(08:30)	000014992	27 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-05; grab dated 07/27/00(08:35)	000014993	36 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-06; grab dated 07/27/00(08:40)	000014994	24 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-07; grab dated 07/27/00(08:47)	000014995	210 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-08; grab dated 07/27/00(08:55)	000014996	23 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)
82TOC-09; grab dated 07/27/00(09:00)	000014997	56 ppm-arb	10 ppm-arb	RLD	01-Aug-00(10:00)

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Please see reverse side for explanation of terms and other information

PKW 7/12/00

SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY

Page 1 of 1

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224

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LAB USE ONLY	
Report #	00038771
Temp. Blk.	NA
Cooler #	
PUC #	

USACOE - NOTBY

PKW 7/12/00

Test Results to:

Company: APEX ENVIRONMENTAL

Contact: TRAVIS BLACK

Phone No. 301-417-0200

FAX No. 301-379-0169

Sample Site/Project 10352.013 B

Sampler/MDOE #

Gascoyne Quote #

Client's P.O. # 10352.013

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ____ (TIME) ____ (DAY) ____ (DATE)

TESTS REQUIRED

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH DRO 418.1 8015B	COMMENTS (i.e. Data Package, methods, detection limits, etc.)
133	SO	B-3 BLDG72A 7'	7/11/00	0900		X	1	X	
1335	"	B-4 BLDG72A 7'	7/11/00	0915		X	1	X	
133	"	B-1 BLDG229H 10'	7/11/00	1030		X	1	X	
133	"	B-2 BLDG229H 10'	7/11/00	1110		X	1	X	
133	"	B-3 BLDG229H 10'	7/11/00	1130		X	1	X	
133	"	B-4 BLDG229H 10'	7/11/00	1200		X	1	X	
133	"	B-1 BLDG229J 10'	7/11/00	1350		X	1	X	
133	"	B-2 BLDG229J 10'	7/11/00	1410		X	1	X	
133	"	B-3 BLDG229J 10'	7/11/00	1440		X	1	X	
133	"	B-4 BLDG229J 10'	7/11/00	1505		X	1	X	
		Total Number of Containers					10		

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature): [signature]	Printed Name/Affiliation: LIVESBERGER APEX	Date: 7/11/00 Time: PM	Received By (signature): FED-EX	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature): FED-EX	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation: GCL	Date: 7-12-00 Time: 10.00
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

* May Require Surcharge

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501 3.0

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: **0003871**

Client: **APEX**

Sample Id: **Submitted samples: B-1 BLDG229H 10'; grab collected on 11-Jul-00(10:30)**
Laboratory Sample Number: 000013356

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(10:30)
n-Pentacosane(surrogate)	102 % Rec	NA	EPA-8015B	MST	14-Jul-00(10:30)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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(410) 633-5443

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REPORT OF ANALYSIS

Report no: **0003871**

Client: **APEX**

Sample Id: **Submitted samples: B-2 BLDG229H 10'; grab collected on 11-Jul-00(11:10)**
Laboratory Sample Number: 000013357

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(11:05)
n-Pentacosane(surrogate)	102 % Rec	NA	EPA-8015B	MST	14-Jul-00(11:05)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0003871

Client: APEX

Sample Id: Submitted samples: B-3 BLDG229H 10'; grab collected on 11-Jul-00(11:30)
Laboratory Sample Number: 000013358

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(11:38)
n-Pentacosane(surrogate)	103 % Rec	NA	EPA-8015B	MST	14-Jul-00(11:38)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: **0003871**

Client: **APEX**

Sample Id: **Submitted samples: B-4 BLDG229H 10'; grab collected on 11-Jul-00(12:00)**
Laboratory Sample Number: 000013359

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(12:11)
n-Pentacosane(surrogate)	116 % Rec	NA	EPA-8015B	MST	14-Jul-00(12:11)

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Please see reverse side for explanation of terms and other information.

SAMPLE SUBMITTAL / CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB ONLY	
Report #	
Temp. Blk.	
Cooler #	
PUC #	

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:

Company: APEX ENV. Inc.
Contact: TRAVIS Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY-229H
Sampler/MDOE #
Client's P.O. #

5 days

RESULTS NEEDED BY: ☐ ROUTINE ☒ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE Available	SAMPLE IDENTIFICATION (Keep brief/Approx. 15 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TESTS REQUIRED: TPH 418.1M	TESTS REQUIRED: VOA+10++ 8260	COMMENTS (i.e. method, detection limits, etc.)
	SO	229H-01	7/25	1410		X	1	X		HOLD pending TPH
	SO	229H-01A	7/25	1412		X	1		X	
	SO	229H-02	7/25	1430		X	1	X		"
	SO	229H-02A	7/25	1433		X	1		X	
	SO	229H-02D	7/25	1435		X	1	X		"
	SO	229H-02DA	7/25	1437		X	1		X	
	SO	229H-03	7/25	1440		X	1	X		"
	SO	229H-03A	7/25	1443		X	1		X	JOE Lockwood
	SO	229H-04	7/25	1450		X	1	X		" 301 376 2028
	SO	229H-04A	7/25	1455		X	1		X	

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation: JOE Lockwood / APEX	Date: 7/25/00 Time: 0710	Received By (signature):
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):

Printed Name/Affiliation:	Date: Time:	7/25 2E
Printed Name/Affiliation:	Date: Time:	
Printed Name/Affiliation:	Date: Time:	

501 5

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

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410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report #
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Env.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0168

Sample Site/Project NOTBY - 229H
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Each Unit Approx. 12 Characters Max.)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH 418.1	VOA 10 ml 8260	COMMENTS (Use abbreviations)
	SO	229H-05	7/25	1457		X	1	X		Hold pending TPH
	SO	229H-05A	7/25	1500		X	1		X	"
	SO	229H-06	7/25	1505		X	1	X		"
	SO	229H-06A	7/25	1507		X	1		X	"
	SO	229H-07	7/25	1510		X	1	X		"
	SO	229H-07A	7/25	1512		X	1		X	"
	SO	229H-08	7/25	1515		X	1	X		"
	SO	229H-08A	7/25	1517		X	1		X	"

Run 25% of Highest Concentration for VOA - after verbal authorization

Total Number of Containers

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation: Travis Black	Date/Time: 7/26 0700	Received By (signature):	Printed Name/Affiliation: GLT	Date/Time: 7/26 0700
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):	Printed Name/Affiliation:	Date/Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:	Received By (signature):	Printed Name/Affiliation:	Date/Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date/Time:			

WHITE - REPORT COPY PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 S

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004195

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project NOTBY-229 H:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
229H-01; grab, 25-Jul-2000(1410)	Soil	000014798	27-Jul-2000
229H-02; grab, 25-Jul-2000(1430)	Soil	000014799	27-Jul-2000
229H-02D; grab, 25-Jul-2000(1435)	Soil	000014800	27-Jul-2000
229H-03; grab, 25-Jul-2000(1440)	Soil	000014801	27-Jul-2000
229H-04; grab, 25-Jul-2000(1450)	Soil	000014802	27-Jul-2000
229H-05; grab, 25-Jul-2000(1457)	Soil	000014803	27-Jul-2000
229H-06; grab, 25-Jul-2000(1505)	Soil	000014804	27-Jul-2000
229H-07; grab, 25-Jul-2000(1510)	Soil	000014805	27-Jul-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004195

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
229H-08; grab, 25-Jul-2000(1515)	Soil	000014806	27-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman 8/8/00

Final report reviewed by: James H. Newman, Client Services Manager Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004195
Report to: APEX

Total Petroleum Hydrocarbons EPA-418.1M

Client Sample ID	Laboratory Sample Number	Test Results	Laboratory Reporting Limit	Analyst	Date/Time of Analysis
229H-01; grab dated 07/25/00(14:10)	000014798	39 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-02; grab dated 07/25/00(14:30)	000014799	62 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-02D; grab dated 07/25/00(14:35)	000014800	120 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
2[redacted]3; grab dated 07/25/00(14:40)	000014801	51 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-04; grab dated 07/25/00(14:50)	000014802	50 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-05; grab dated 07/25/00(14:57)	000014803	43 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-06; grab dated 07/25/00(15:05)	000014804	48 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-07; grab dated 07/25/00(15:10)	000014805	52 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)
229H-08; grab dated 07/25/00(15:15)	000014806	300 ppm-arb	10 ppm-arb	RLD	31-Jul-00(15:10)

PEW 7/12/00

SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY

Page 1 of 1

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224

410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	0003877
Temp. Blk.	NA
Cooler #	
PUC #	

USACOE - MOTBY

Test Results to:

Company: APEX ENVIRONMENTAL

Contact: TRAVIS BLACK

Phone No. 301-417-0201

FAX No. 301-379-0169

Sample Site/Project 10252.013 Bo

Sampler/MDOE #

Gascoyne Quote #

Client's P.O. # 10252.013

PEW 7/12/00

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ____ (TIME) ____ (DAY) ____ (DATE)

LIMS NO LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COL-LECTED	TIME COL-LECTED	COMPOSITE	GRAB	NUMBER OF CON-TAINERS	TPH DRO 418.1	8015 B2							COMMENTS (i.e. Data Package, methods, detection limits, etc.)
13330	SO	B-3 BLDG 12A 7'	7/11/00	0900		X	1	X								
13331	"	B-4 BLDG 12A 7'	7/11/00	0915		X	1	X								
13332	"	B-1 BLDG 229H 10'	7/11/00	1030		X	1	X								
13333	"	B-2 BLDG 229H 10'	7/11/00	1110		X	1	X								
13334	"	B-3 BLDG 229H 10'	7/11/00	1130		X	1	X								
13335	"	B-4 BLDG 229H 10'	7/11/00	1200		X	1	X								
13336	"	B-1 BLDG 229J 10'	7/11/00	1350		X	1	X								
13337	"	B-2 BLDG 229J 10'	7/11/00	1410		X	1	X								
13338	"	B-3 BLDG 229J 10'	7/11/00	1440		X	1	X								
13339	"	B-4 BLDG 229J 10'	7/11/00	1505		X	1	X								
		Total Number of Containers					10									

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation: LINGENBERGER APEX	Date: 7/11/00 Time: PM	Received By (signature): FED-EX	Printed Name/Affiliation:	Date: Time:		
Relinquished By (signature): FED-EX	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation: GCE	Date: 7-12-00 Time: 10:00		
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:		
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:		

* May Requ[illegible]charge

WHITE COPY - LAB YELLOW - REPORT C[illegible] PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

501 3[illegible]

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0003871

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACOE-MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-3 BLDG72A 7'; grab, 11-Jul-2000(0900)	Soil	000013354	12-Jul-2000
B-4 BLDG72A 7'; grab, 11-Jul-2000(0915)	Soil	000013355	12-Jul-2000
B-1 BLDG229H 10'; grab, 11-Jul-2000(1030)	Soil	000013356	12-Jul-2000
B-2 BLDG229H 10'; grab, 11-Jul-2000(1110)	Soil	000013357	12-Jul-2000
B-3 BLDG229H 10'; grab, 11-Jul-2000(1130)	Soil	000013358	12-Jul-2000
B-4 BLDG229H 10'; grab, 11-Jul-2000(1200)	Soil	000013359	12-Jul-2000
B-1 BLDG229J 10', 11-Jul-2000(1350)	Soil	000013360	12-Jul-2000
B-2 BLDG229J 10'; grab, 11-Jul-2000(1410)	Soil	000013361	12-Jul-2000
B-3 BLD229J 10'; grab, 11-Jul-2000(1440)	Soil	000013362	12-Jul-2000

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report No: 0003871

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-4 BLDG229J 10'; grab, 11-Jul-2000(1525)	Soil	000013363	12-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 7/22/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0003871

Client: APEX

Sample Id: Submitted samples: B-1 BLDG229J 10' collected on 11-Jul-00(13:50)
Laboratory Sample Number: 000013360

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	60 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(12:43)
n-Pentacosane(surrogate)	103 % Rec	NA	EPA-8015B	MST	14-Jul-00(12:43)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0003871

Client: APEX

Sample Id: Submitted samples: B-2 BLDG229J 10'; grab collected on 11-Jul-00(14:10)
Laboratory Sample Number: 000013361

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	3900 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(13:16)
n-Pentacosane(surrogate)	118 % Rec	NA	EPA-8015B	MST	14-Jul-00(13:16)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0003871

Client: APEX

Sample Id: **Submitted samples: B-3 BLD229J 10'; grab collected on 11-Jul-00(14:40)**
Laboratory Sample Number: 000013362

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	2100 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(13:53)
n-Pentacosane(surrogate)	97 % Rec	NA	EPA-8015B	MST	14-Jul-00(13:53)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: **0003871**

Client: **APEX**

Sample Id: **Submitted samples: B-4 BLDG229J 10'; grab collected on 11-Jul-00(15:25)**
Laboratory Sample Number: 000013363

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	14-Jul-00(14:29)
n-Pentacosane(surrogate)	94 % Rec	NA	EPA-8015B	MST	14-Jul-00(14:29)

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SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

00[illegible]05

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY

Report # 0004169 eg
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: Apex Environmental - Md
Contact: Travis Black
Phone No. 800-733-2739
FAX No. 301-975-0169

Sample Site/Project MOTBY / 229J
Sampler/MDOE # J. Kockwood
Client's P.O. #

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: TIME 5 day DAY 8/11/00 DATE

TESTS REQUIRED: TPH (Method 418.1) (VOA + 10 + Xe * (8260) T. Solids

LAB USE ONLY LIMS NO	SAMPLE TYPE USE CODES ABOVE Fungibable	SAMPLE IDENTIFICATION (Keep Brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH (Method 418.1)	VOA + 10 + Xe * (8260)	T. Solids	COMMENTS (i.e. methods, detection limits, etc.)
	SO	229J-01	July 26 EK	1400		X	1	X			
~~X 15550~~	~~SO~~	~~229J-04A~~		~~1405~~		~~X~~	~~1~~		~~X~~	X	*Voa Pending TPH
	SO	229J-02		1410		X	1	X			
	SO	229J-02A		1412		X	1		X		*
	SO	229J-03		1415		X	1	X			
	SO	229J-03A		1417		X	1		X		*
	SO	229J-03D		1420		X	1	X			
	SO	229J-03DA		1425		X	1		X		*
	SO	229J-04		1430		X	1	X			
	SO	229J-04A		1435		X	1		X		*

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
WM Ky	W. Pizer, Apex NJ.	Date: 000725 Time: 1600	FED EX		
FED EX			Melanie Housekrecht		Date: 7-26-00 Time: 0951

* Pog in VOAs 8260 Comp TIC + Kylenes

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

UL-24-2000 MON 16:35 ID:APEX ENVIRON III PAGE:2

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

LAB USE ONLY
Report # 0004169
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Env - Md
Contact: Travis Black
Phone No. 800-773-2739
FAX No. 301-975-0169

Sample Site/Project MOTBY / 229J
Sampler/MDOE # J. Lockwood
Client's P.O. #

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED

LAB USE ONLY / LIMS NO	SAMPLE TYPE USE CODES ABOVE (Fuel/Water)	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC (Meth. 418.1)	* Voa+10+Xe (8260)							COMMENTS (i.e. methods detection limits, etc.)
	SO	229J-05	July 24, 2K	1439		X	1	X								* Pending TPHC
	SO	229J-05A		1440		X	1		X							
	SO	229J-06		1445		X	1	X								*
	SO	229J-06A		1447		X	1		X							
	SO	229J-07		1452		X	1	X								*
	SO	229J-07A		1456		X	1		X							
	SO	229J-08		1500		X	1	X								*
	SO	229J-08A		1505		X	1		X							

Total Number of Containers 8

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
	W. Kizer, Apex NJ	Date: 000725 Time: 1600	FED EX		Date: 7-26-00 Time: 0981
WM Vy			Melanie Housekrecht		
FED EX					

501 5.2000

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004169

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY/229J:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
229J-01; grab, 24-Jul-2000(1400)	Soil	000014652	26-Jul-2000
229J-02; grab, 24-Jul-2000(1410)	Soil	000014653	26-Jul-2000
229J-03; grab, 24-Jul-2000(1415)	Soil	000014654	26-Jul-2000
229J-03D; grab, 24-Jul-2000(1420)	Soil	000014655	26-Jul-2000
229J-04; grab, 24-Jul-2000(1430)	Soil	000014656	26-Jul-2000
229J-05; grab, 24-Jul-2000(1439)	Soil	000014657	26-Jul-2000
229J-06; grab, 24-Jul-2000(1445)	Soil	000014658	26-Jul-2000
229J-07; grab, 24-Jul-2000(1452)	Soil	000014659	26-Jul-2000

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004169

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
229J-08; grab, 24-Jul-2000(1500)	Soil	000014660	26-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: Francis L. Ptak Laboratory President

8/2/00
Report issue date

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Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: Submitted samples: 229J-01; grab collected on 24-Jul-00(14:00)
Laboratory Sample Number: 000014652

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	13000 ppm-arb	50 ppm-arb	EPA-8015B	MST	28-Jul-00(07:41)
n-Pentacosane(surrogate)	92 % Rec	NA	EPA-8015B	MST	28-Jul-00(07:41)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: Submitted samples: 229J-02; grab collected on 24-Jul-00(14:10)
Laboratory Sample Number: 000014653

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	4900 ppm-arb	20 ppm-arb	EPA-8015B	MST	28-Jul-00(08:18)
n-Pentacosane(surrogate)	104 % Rec	NA	EPA-8015B	MST	28-Jul-00(08:18)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: **Submitted samples: 229J-03; grab collected on 24-Jul-00(14:15)**
Laboratory Sample Number: 000014654

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	8800 ppm-arb	50 ppm-arb	EPA-8015B	MST	28-Jul-00(08:54)
n-Pentacosane(surrogate)	92 % Rec	NA	EPA-8015B	MST	28-Jul-00(08:54)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: **Submitted samples: 229J-03D; grab collected on 24-Jul-00(14:20)**
Laboratory Sample Number: 000014655

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	6800 ppm-arb	20 ppm-arb	EPA-8015B	MST	28-Jul-00(09:30)
n-Pentacosane(surrogate)	100 % Rec	NA	EPA-8015B	MST	28-Jul-00(09:30)

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Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

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REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: **Submitted samples: 229J-04; grab collected on 24-Jul-00(14:30)**
Laboratory Sample Number: 000014656

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	6000 ppm-arb	20 ppm-arb	EPA-8015B	MST	28-Jul-00(10:07)
n-Pentacosane(surrogate)	105 % Rec	NA	EPA-8015B	MST	28-Jul-00(10:07)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: Submitted samples: 229J-05; grab collected on 24-Jul-00(14:39)
Laboratory Sample Number: 000014657

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	9800 ppm-arb	50 ppm-arb	EPA-8015B	MST	28-Jul-00(10:44)
n-Pentacosane(surrogate)	106 % Rec	NA	EPA-8015B	MST	28-Jul-00(10:44)

Printed on recycled paper.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: **0004169**

Client: **APEX**

Sample Id: **Submitted samples: 229J-06; grab collected on 24-Jul-00(14:45)**
Laboratory Sample Number: 000014658

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	9200 ppm-arb	50 ppm-arb	EPA-8015B	MST	28-Jul-00(11:22)
n-Pentacosane(surrogate)	104 % Rec	NA	EPA-8015B	MST	28-Jul-00(11:22)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: Submitted samples: 229J-07; grab collected on 24-Jul-00(14:52)
Laboratory Sample Number: 000014659

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	6000 ppm-arb	20 ppm-arb	EPA-8015B	MST	28-Jul-00(11:59)
n-Pentacosane(surrogate)	105 % Rec	NA	EPA-8015B	MST	28-Jul-00(11:59)

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Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004169

Client: APEX

Sample Id: Submitted samples: 229J-08; grab collected on 24-Jul-00(15:00)
Laboratory Sample Number: 000014660

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	330 ppm-arb	10 ppm-arb	EPA-8015B	MST	27-Jul-00(22:10)
n-Pentacosane(surrogate)	110 % Rec	NA	EPA-8015B	MST	27-Jul-00(22:10)

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Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report No: 0004405

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY-229J:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
229J-01A; grab, 24-Jul-2000(1405)	Soil	000015550	26-Jul-2000
229J-07A; grab, 24-Jul-2000(1456)	Soil	000015551	26-Jul-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/11/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

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REPORT OF ANALYSIS

Report no: 0004405

Client: APEX

Sample Id: **Submitted samples: 229J-01A; grab collected on 24-Jul-00(14:05)**
Laboratory Sample Number: 000015550

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Methyl t-butyl ether(MTBE)	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Acrolein	<11 ppm-dwb	11 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Acrylonitrile	<11 ppm-dwb	11 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Dichlorodifluoromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
C[redacted]methane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
V[redacted]hloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Bromomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Chloroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Trichlorofluoromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,1-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Methylene Chloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
trans-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,1-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
2,2-Dichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
cis-1,2-Dichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Chloroform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Bromochloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,1,1-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,1-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
2-Chloroethylvinylether	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Carbon Tetrachloride	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Benzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2-Dichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Trichloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2-Dichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
E[redacted]dichloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Dibromomethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
cis-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Toluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
trans-1,3-Dichloropropene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,1,2-Trichloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)

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REPORT OF ANALYSIS

Report no: 0004405

Client: APEX

Sample Id: Submitted samples: 229J-01A; grab collected on 24-Jul-00(14:05)
Laboratory Sample Number: 000015550

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dibromoethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Tetrachloroethene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,3-Dichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Dibromochloromethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Chlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1 [redacted]-Tetrachloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Ethylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Styrene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Bromoform	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Isopropylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,1,2,2-Tetrachloroethane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2,3-Trichloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Bromobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
n-Propylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
2-Chlorotoluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,3,5-Trimethylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
4-Chlorotoluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
tert-Butylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2,4-Trimethylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
sec-Butylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,4-Isopropyltoluene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,3-Dichlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,4-Dichlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
n-Butylbenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2-Dichlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
M[redacted]sobutyl Ketone	<6 ppm-dwb	6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2-Dibromo-3-chloropropane	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2,4-Trichlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Hexachlorobutadiene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Naphthalene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
1,2,3-Trichlorobenzene	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)

Please see reverse side for explanation of ...

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REPORT OF ANALYSIS

Report no: 0004405

Client: APEX

Sample Id: **Submitted samples: 229J-01A; grab collected on 24-Jul-00(14:05)**
Laboratory Sample Number: 000015550

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Acetone	<11 ppm-dwb	11 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
2-Butanone	<11 ppm-dwb	11 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Vinyl Acetate	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Carbon Disulfide	<0.6 ppm-dwb	0.6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
2 [redacted]none	<6 ppm-dwb	6 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:26)
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:26)
1,2-Dichloroethane-d4(surrogate)	104 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:26)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:26)
Bromofluorobenzene(surrogate)	115 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:26)

Sample/Test Notes:
Sample received with headspace.

Residue at 105°C	84.3 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	07-Aug-00(10:49)

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REPORT OF ANALYSIS

Report no: 0004405

Client: APEX

Sample Id: **Submitted samples: 229J-07A; grab collected on 24-Jul-00(14:56)**
Laboratory Sample Number: 000015551

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Methyl t-butyl ether(MTBE)	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Acrolein	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Acrylonitrile	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Dichlorodifluoromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Chloromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
\ [redacted]hloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Bromomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Chloroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Trichlorofluoromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,1-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Methylene Chloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
trans-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,1-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
2,2-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
cis-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Chloroform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Bromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,1,1-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,1-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
2-Chloroethylvinylether	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Carbon Tetrachloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Benzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Trichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
E [redacted]dichloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Dibromomethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
cis-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Toluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
trans-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,1,2-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)

Please see reverse side for explanation of terms and other information

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REPORT OF ANALYSIS

Report no: 0004405

Client: APEX

Sample Id: Submitted samples: 229J-07A; grab collected on 24-Jul-00(14:56)
Laboratory Sample Number: 000015551

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dibromoethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Tetrachloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,3-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Dibromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Chlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
[redacted]-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Ethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Styrene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Bromoform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Isopropylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,1,2,2-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2,3-Trichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Bromobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
n-Propylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
2-Chlorotoluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,3,5-Trimethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
4-Chlorotoluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
tert-Butylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2,4-Trimethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
sec-Butylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,4-Isopropyltoluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,3-Dichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,4-Dichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
n-Butylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2-Dichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
M[redacted]Isobutyl Ketone	<5 ppm-dwb	5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2-Dibromo-3-chloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2,4-Trichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Hexachlorobutadiene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Naphthalene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
1,2,3-Trichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)

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REPORT OF ANALYSIS

Report no: 0004405

Client: APEX

Sample Id: **Submitted samples: 229J-07A; grab collected on 24-Jul-00(14:56)**
Laboratory Sample Number: 000015551

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Acetone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Vinyl Acetate	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Carbon Disulfide	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
2 [redacted]none	<5 ppm-dwb	5 ppm-dwb	EPA-8260B	THP	04-Aug-00(22:58)
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:58)
1,2-Dichloroethane-d4(surrogate)	108 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:58)
Toluene-d8(surrogate)	101 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:58)
Bromofluorobenzene(surrogate)	112 % Rec	NA	EPA-8260B	THP	04-Aug-00(22:58)
Residue at 105°C	87.8 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	07-Aug-00(10:49)

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 4 Aug 2000 22:26
Data File: C:\HPCHEM\1\DATA\AUG0400\FA092.D
Name: 0004405-015550 (10.33G/10ML)
Text: APEX, 229J-01A, 50UL/5ML + 1UL H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Naphthalene, decahydro-, trans-	20.26	38.7	ug/L	000493-02-7
Bicyclo[4.1.0]heptane, 3-methyl-	20.72	29.3	ug/L	041977-47-3
Naphthalene, decahydro-2-methyl-	20.85	35.2	ug/L	002958-76-1
Naphthalene, decahydro-2-methyl-	21.05	50.2	ug/L	002958-76-1
Dodecane, 6-methyl-	21.38	40.8	ug/L	006044-71-9
Naphthalene, decahydro-2,6-dimethyl-	21.66	25.3	ug/L	001618-22-0
Benzene, 1,3-diethyl-5-methyl-	21.76	25.1	ug/L	002050-24-0
Benzene, (1-ethylbutyl)-	22.09	44.9	ug/L	004468-42-2
Naphthalene, decahydro-2,6-dimethyl-	22.22	35.0	ug/L	001618-22-0
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	22.29	23.4	ug/L	002613-76-5

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 4 Aug 2000 22:58
Data File: C:\HPCHEM\1\DATA\AUG0400\FA093.D
Name: 0004405-015551 (5.40G/10ML)
Misc: APEX, 229J-07A, 100UL/5ML + 1UL H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
2-Octene, 2,6-dimethyl-	18.77	21.6	ug/L	004057-42-5
Adamantane	20.71	25.8	ug/L	000281-23-2
Naphthalene, decahydro-2-methyl-	20.85	30.2	ug/L	002958-76-1
Naphthalene, decahydro-2-methyl-	21.05	41.3	ug/L	002958-76-1
Dodecane, 6-methyl-	21.38	47.7	ug/L	006044-71-9
Cyclohexanone, 2-(2-butynyl)-	21.60	17.6	ug/L	054166-48-2
Benzene, 2,4-dimethyl-1-(1-methylpropyl)	21.90	27.5	ug/L	001483-60-9
cis,trans-1,10-Dimethylspiro[4.5]decane	22.09	27.2	ug/L	000000-00-0
Naphthalene, 2-butyldecahydro-	22.22	27.1	ug/L	006305-52-8
trans,cis-1,8-Dimethylspiro[4.5]decane	22.49	23.7	ug/L	000000-00-0

Building 254
B

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste Liquid		Surface Water	SW
Paint Chips	PC	Solids		Waste Water	
Wipe	WP				

LAB USE ONLY

Report # _____
Temp. Blk. _____
Cooler # _____
PUC # _____

Test Results to:

Company: APEX ENVIRONMENTAL
Contact: TRAVIS BLACK
Phone No. 301-417-0200
FAX No. 301-379-0169

Sample Site/Project USACOE/MTOBY
Sampler/MDOE # _____
Gascoyne Quote # _____
Client's P.O. # 10352.013

RESULTS NEEDED BY: ☒ ROUTINE ☐ PRIORITY* BY: _____ TIME _____ DAY _____ DATE

TESTS REQUIRED

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE	SAMPLE IDENTIFICATION (Keep brief - 14 Characters Max)	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH DRO 418.1 TO 8015B							COMMENTS (i.e. Data Package, methods, detection limits, etc.)
	SO	B-1 BLDG254 11'	7/13/00	0900		X	1	X							
		B-2 BLDG254 7'		0930											
		B-3 BLDG254 4'		1000											
		B-4 BLDG254 7'		1020											
		B-1 BLDG82 7'		1130											
		B-2 BLDG82 7'		1150											
		B-3 BLDG82 10'		1340											

Total Number of Containers (7)

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
S Buckberger	Uwe Sperber / APEX	7/13/00 PM	Melanie Housethecht	all	7-18-00 0735
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (sign.	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
	Printed Name/Affiliation:	Date:	Received By (signature):	Printed Name/Affiliation:	Date:

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

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REPORT OF ANALYSIS

Report No: 0004001

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project USACOE/MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
B-1 BLDG42N 13'; grab, 12-Jul-2000(0925)	Soil	000013955	18-Jul-2000
B-2 BLDG42N 10'; grab, 12-Jul-2000(0930)	Soil	000013956	18-Jul-2000
B-3 BLDG42N 13'; grab, 12-Jul-2000(0945)	Soil	000013957	18-Jul-2000
B-4 BLDG42N 13'; grab, 12-Jul-2000(1030)	Soil	000013958	18-Jul-2000
B-1 BLDG234A 13'; grab, 12-Jul-2000(1130)	Soil	000013959	18-Jul-2000
B-2 BLDG234A 13'; grab, 12-Jul-2000(1155)	Soil	000013960	18-Jul-2000
B-3BLDG234A 13'; grab, 12-Jul-2000(1355)	Soil	000013961	18-Jul-2000
B-4 BLDG234A 13'; grab, 12-Jul-2000(1435)	Soil	000013962	18-Jul-2000
B-1 BLDG254 11'; grab, 13-Jul-2000(0900)	Soil	000013963	18-Jul-2000
B2 BLDG254 7'; grab, 13-Jul-2000(0930)	Soil	000013964	18-Jul-2000
B-3 BLDG254 4'; grab, 13-Jul-2000(1000)	Soil	000013965	18-Jul-2000
B-4 BLDG254 7'; grab, 13-Jul-2000(1020)	Soil	000013966	18-Jul-2000
B-1 BLDG82 7'; grab, 13-Jul-2000(1130)	Soil	000013967	18-Jul-2000
B-2 BLDG82 7'; grab, 13-Jul-2000(1150)	Soil	000013968	18-Jul-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: **Submitted samples: B-1 BLDG254 11'; grab collected on 13-Jul-00(09:00)**
Laboratory Sample Number: 000013963

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	3900 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(09:45)
n-Pentacosane(surrogate)	106 % Rec	NA	EPA-8015B	MST	25-Jul-00(09:45)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B2 BLDG254 7'; grab collected on 13-Jul-00(09:30)
Laboratory Sample Number: 000013964

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	9100 ppm-arb	50 ppm-arb	EPA-8015B	MST	26-Jul-00(15:10)
n-Pentacosane(surrogate)	100 % Rec	NA	EPA-8015B	MST	26-Jul-00(15:10)

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-3 BLDG254 4'; grab collected on 13-Jul-00(10:00)
Laboratory Sample Number: 000013965

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	1500 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(11:12)
n-Pentacosane(surrogate)	95 % Rec	NA	EPA-8015B	MST	25-Jul-00(11:12)

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REPORT OF ANALYSIS

Report no: 0004001

Client: APEX

Sample Id: Submitted samples: B-4 BLDG254 7'; grab collected on 13-Jul-00(10:20)
Laboratory Sample Number: 000013966

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Diesel Range Organics(C10-C28)	<10 ppm-arb	10 ppm-arb	EPA-8015B	MST	25-Jul-00(11:55)
n-Pentacosane(surrogate)	104 % Rec	NA	EPA-8015B	MST	25-Jul-00(11:55)

Building 254
VOA

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report No: 0004408

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
000731-02BA;grab, 31-Jul-2000(1240)	Soil	000015557	02-Aug-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/11/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1300

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REPORT OF ANALYSIS

Report no: 0004408

Client: APEX

Sample Id: **Submitted samples: 000731-02BA;grab collected on 31-Jul-00(12:40)**
Laboratory Sample Number: 000015557

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Methyl t-butyl ether(MTBE)	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Acrolein	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Acrylonitrile	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Dichlorodifluoromethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]romethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]l Chloride	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Bromomethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Chloroethane	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Trichlorofluoromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,1-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Methylene Chloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
trans-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,1-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
2,2-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
cis-1,2-Dichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Chloroform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Bromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,1,1-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,1-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
2-Chloroethylvinylether	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Carbon Tetrachloride	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Benzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,2-Dichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Trichloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]modichloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Dibromomethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
cis-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Toluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
trans-1,3-Dichloropropene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,1,2-Trichloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004408

Client: APEX

Sample Id: **Submitted samples: 000731-02BA;grab collected on 31-Jul-00(12:40)**
Laboratory Sample Number: 000015557

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dibromoethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Tetrachloroethene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,3-Dichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Dibromochloromethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]robenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible],2-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Ethylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Styrene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Bromoform	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Isopropylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,1,2,2-Tetrachloroethane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,2,3-Trichloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Bromobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
n-Propylbenzene	0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
2-Chlorotoluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,3,5-Trimethylbenzene	0.7 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
4-Chlorotoluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
tert-Butylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,2,4-Trimethylbenzene	3 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
sec-Butylbenzene	0.6 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,4-Isopropyltoluene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,3-Dichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,4-Dichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
n-Butylbenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]Dichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
[illegible]yl Isobutyl Ketone	<5 ppm-dwb	5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,2-Dibromo-3-chloropropane	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,2,4-Trichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Hexachlorobutadiene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Naphthalene	0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
1,2,3-Trichlorobenzene	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)

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REPORT OF ANALYSIS

Report no: 0004408

Client: APEX

Sample Id: **Submitted samples: 000731-02BA;grab collected on 31-Jul-00(12:40)**
Laboratory Sample Number: 000015557

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Xylenes	<1 ppm-dwb	1 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Acetone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
2-Butanone	<10 ppm-dwb	10 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Vinyl Acetate	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Carbon Disulfide	<0.5 ppm-dwb	0.5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
2-Hexanone	<5 ppm-dwb	5 ppm-dwb	EPA-8260B	THP	04-Aug-00(23:31)
Dibromofluoromethane(surrogate)	101 % Rec	NA	EPA-8260B	THP	04-Aug-00(23:31)
1,2-Dichloroethane-d4(surrogate)	109 % Rec	NA	EPA-8260B	THP	04-Aug-00(23:31)
Toluene-d8(surrogate)	101 % Rec	NA	EPA-8260B	THP	04-Aug-00(23:31)
Bromofluorobenzene(surrogate)	112 % Rec	NA	EPA-8260B	THP	04-Aug-00(23:31)
Residue at 105°C	84.9 %-arb	0.01 %-arb	CLP-SOW-ILM04.0	VJR	07-Aug-00(10:49)

Tentatively Identified Compound (LSC) summary

Operator ID: THP Date Acquired: 4 Aug 2000 23:31
Data File: C:\HPCHEM\1\DATA\AUG0400\FA094.D
Name: APEX, 00731-02BA (5.93G/10ML)
Misc: APEX, 00731-02BA, 100UL/5ML + 1UL H81-2
Method: C:\HPCHEM\1\METHODS\HOWARDW.M (RTE Integrator)
Title: GLI METHOD 8260A/624
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT(min)	EstConc	Units	CAS#
Benzene, (1-methyl-1-propenyl)-, (Z)-	21.29	30.2	ug/L	000767-99-7
Dodecane, 6-methyl-	21.39	28.0	ug/L	006044-71-9
Benzene, diethylmethyl-	21.76	43.8	ug/L	025550-13-4
Benzene, (2-methyl-1-butenyl)-	21.90	50.2	ug/L	056253-64-6
Benzene, 1-ethyl-3-(1-methylethyl)-	22.07	29.5	ug/L	004920-99-4
Benzene, 1-pentenyl-	22.34	29.0	ug/L	000826-18-6
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	22.73	53.9	ug/L	001680-51-9
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	23.33	35.5	ug/L	013065-07-1
Naphthalene, 1-methyl-	23.46	34.4	ug/L	000090-12-0
Naphthalene, 1-methyl-	23.73	68.4	ug/L	000090-12-0

FA094.D HOWARDW.M Tue Aug 08 10:36:55 2000 RTP1

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

000408 1 of 5

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY	
Report #	000432
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Environmental, Inc
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBY
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH (418.1)	VOA + 10 + X2 (8260)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	Building 254								* Run 25% of highest count of TPH (418.1) for VOA - Acid, Base-Neutral Aromatic (8270)
	SO	000731-01 Bld 254	July 31/00	1230		X	1	X		
		000731-01A		1230			1		X	
		000731-02		1235			1	X		*
		000731-02A		1235			1		X	
		000731-02B		1240			1	X		*
		000731-02BA		1240			1		X	
		000731-03		1245			1	X		*
		000731-03A		1245			1		X	
		000731-04		1250			1	X		*
		000731-04A		1250			1		X	
										*

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature):	Printed Name/Affiliation:	Date: / Time:	Received By (signature):	Printed Name/Affiliation:	Date: / Time:
[signature]	W. Kirby	Aug 1	FED-EX		
FED-EX				GA	8-2-00 10:30

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

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LAB USE ONLY	
Report #	000434/2
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Env. Inc

Contact: Travis Black

Phone No. 301-417-0200

FAX No. 301-417-0169

Sample Site/Project MOTBY

Sampler/MDOE #

Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC (418.1)	10+10+Xe (8260)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-05 Bld 254	July 31st	1255		X	1	X		Run 2590 & 1666 for highest TPHC (Run 2590 for Xylene - Ethyl Benzene)
		000731-05A		1255			1		X	
		000731-06		1300			1	X		
		000731-06A		1300			1		X	
		000731-07		1310			1	X		
		000731-07A		1310			1		X	
		000731-08		1313			1	X		
		000731-08A		1313			1		X	
		000731-09		1315			1	X		
		000731-09A		1315			1		X	
							Total Number of Containers	10		Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation	Date/Time
Wm. King	W. Rees	Aug 1 1154	FEDEX		
FEDEX					8/2 0936

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES

ield Blank	FB	Sludge	SL	Drinking Water	DW
oil	SO	Trip Blank	TB	Ground Water	GW
il(s)	OL	Waste- Liquid	L	Surface Water	SW
aint Chips	PC	- Solid	S	Waste Water	WW
/ipes	WP				

LAB USE ONLY

Report # 0004342
Temp. Blk.
Cooler #
PUC #

st Results to:

ompany: Apex Env, Inc
ontact: Travis Black
one No. 301 417 0200
X No. 301 417 0169

Sample Site/Project MOTBX
Sampler/MDOE #
Client's P.O. #

ESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

TESTS REQUIRED: TPHC (418.1) *10+10+Xe (8260)

* Run 25% of highest count of TPH (> 1000 ppm) for VOA - After Varble Hall

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	Bld 254 SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC (418.1)	*10+10+Xe (8260)							COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-10	31 July	1318		X	1									
		000731-10A		1318			1									
		000731-11		1324			1									
		000731-11A		1324			1									
		000731-12		1335			1									
		000731-12A		1335			1									
		000731-13		1340			1									
		000731-13A		1340			1									
		000731-14		1342			1									
		000731-14A		1342			1									

Total Number of Containers 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date / Time	Received By (signature)	Printed Name/Affiliation	Date / Time
[signature]	W.M. Bizer 1 Aug 11am		FED EX		
FED-EX			[signature]	[illegible]	8-2-00 10:30

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

Report #
Temp. Blk.
Cooler #
PUC #

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

Test Results to:
Company: Apex Envt. Inc.
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project: MOTBY
Sampler/MDOE #:
Client's P.O. #:

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: ____ TIME ____ DAY ____ DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPHC (418.1) *	VOA + 10 + Xe (602)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	BD 254								
	SO	000731-15	3/5/00	1345		X	1	X		
		000731-15A		1345			1		X	*
		000731-16		1350			1	X		
		000731-16A		1350			1		X	*
		000731-17		1355			1	X		
		000731-17A		1355			1		X	*
		000731-18		1356			1	X		
		000731-18A		1356			1		X	*
		000731-19		1400			1	X		
		000731-19A		1400			1		X	*

Run 25% of the TPHC (418.1) VOC's (602) + Xe (602) PAH's (610) PCB's (608) Pest (608)

Total Number of Containers: 10

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation	Date/Time
[signature]	[signature] / Mug		FED-EX		
FED-EX				GCT	8/7 0 1030

601 6 2000

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224
410-633-1800 • FAX: 410-633-5443

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	- Solid	S	Waste Water	WW
Wipes	WP				

LAB USE ONLY
Report #
Temp. Blk.
Cooler #
PUC #

Test Results to:

Company: Apex Env. Inc
Contact: Travis Black
Phone No. 301-417-0200
FAX No. 301-417-0169

Sample Site/Project MOTBX
Sampler/MDOE #
Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TESTS REQUIRED: TPHC (418.1)	TPHC (EPA 1664) + BTEX + MTBE (EPA 8260)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-20	21 July 00	1415		X	1	X	X	* For TPHC (1664) use EPA 1664 Modified
		000731-20A		1415			1		X	*

Total Number of Containers 2

Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation	Date/Time
Lynn Yung	W. Keel / Apex Co		FED-EX		
FED-EX				Printed Name/Affiliation: I-C-T	Date: 7/24 Time: 1030

50-8208

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 533-1200

FAX NO.
(410) 533-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report No: 0004342

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MOTBY:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
000731-01 BLD254; grab, 31-Jul-2000(1230)	Soil	000015290	02-Aug-2000
000731-02; grab, 31-Jul-2000(1235)	Soil	000015291	02-Aug-2000
000731-02B; grab, 31-Jul-2000(1240)	Soil	000015292	02-Aug-2000
000731-03; grab, 31-Jul-2000(1245)	Soil	000015293	02-Aug-2000
000731-04; grab, 31-Jul-2000(1250)	Soil	000015294	02-Aug-2000
000731-05; grab, 31-Jul-2000(1255)	Soil	000015295	02-Aug-2000
000731-06; grab, 31-Jul-2000(1300)	Soil	000015296	02-Aug-2000
000731-07; grab, 31-Jul-2000(1310)	Soil	000015297	02-Aug-2000
000731-08; grab, 31-Jul-2000(1313)	Soil	000015298	02-Aug-2000
000731-09; grab, 31-Jul-2000(1315)	Soil	000015299	02-Aug-2000
000731-10; grab, 31-Jul-2000(1318)	Soil	000015300	02-Aug-2000
000731-11; grab, 31-Jul-2000(1324)	Soil	000015301	02-Aug-2000
000731-12; grab, 31-Jul-2000(1335)	Soil	000015302	02-Aug-2000
000731-13; grab, 31-Jul-2000(1340)	Soil	000015303	02-Aug-2000
000731-14; grab, 31-Jul-2000(1342)	Soil	000015304	02-Aug-2000
000731-15; grab, 31-Jul-2000(1345)	Soil	000015305	02-Aug-2000
000731-16; grab, 31-Jul-2000(1350)	Soil	000015306	02-Aug-2000
000731-17; grab, 31-Jul-2000(1355)	Soil	000015307	02-Aug-2000
000731-18; grab, 31-Jul-2000(1356)	Soil	000015308	02-Aug-2000
000731-19; grab, 31-Jul-2000(1400)	Soil	000015309	02-Aug-2000

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report No: 0004342

APEX
15850 Crabbs Branch Way
Suite 200
Rockville, Md. 20855
Attn: Travis M. Black

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by Gascoyne
000731-20; grab, 31-Jul-2000(1415)	Soil	000015310	02-Aug-2000

This Report contains the following:

A) Cover Letter
B) Test Results
C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339; New York: 11158; A2LA: 410.01; AIHA:100491; US Army Corps of Engineers; and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

James H Newman — 8/11/00

Final report reviewed by: James H. Newman, Client Services Manager — Report issue date

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-01 BLD254; grab collected on 31-Jul-00(12:30)**
Laboratory Sample Number: 000015290

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	120 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-02; grab collected on 31-Jul-00(12:35)**
Laboratory Sample Number: 000015291

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	2400 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-02B; grab collected on 31-Jul-00(12:40)**
Laboratory Sample Number: 000015292

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	4000 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-03; grab collected on 31-Jul-00(12:45)**
Laboratory Sample Number: 000015293

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	50 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1300

FAX NO.
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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-04; grab collected on 31-Jul-00(12:50)**
Laboratory Sample Number: 000015294

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	<10 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633 [illegible]

FAX NO.
(410) 633 [illegible]

www.gascoyn[illegible].com

REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-05; grab collected on 31-Jul-00(12:55)**
Laboratory Sample Number: 000015295

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	95 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

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Baltimore, MD 21224

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FAX NO.
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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-06; grab collected on 31-Jul-00(13:00)**
Laboratory Sample Number: 000015296

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	58 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

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Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-07; grab collected on 31-Jul-00(13:10)**
Laboratory Sample Number: 000015297

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	46 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
(410) 533-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-08; grab collected on 31-Jul-00(13:13)**
Laboratory Sample Number: 000015298

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	70 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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FAX NO.
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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: Submitted samples: 000731-09; grab collected on 31-Jul-00(13:15)
Laboratory Sample Number: 000015299

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	72 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-10; grab collected on 31-Jul-00(13:18)**
Laboratory Sample Number: 000015300

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	68 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-18[illegible]

FAX NO.
(410) 633-544[illegible]

www.gascoyne.[illegible]

REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-11; grab collected on 31-Jul-00(13:24)**
Laboratory Sample Number: 000015301

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	79 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-12; grab collected on 31-Jul-00(13:35)**
Laboratory Sample Number: 000015302

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	54 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Printed on recycled paper

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-13; grab collected on 31-Jul-00(13:40)**
Laboratory Sample Number: 000015303

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	42 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 533-1300

FAX NO.
(410) 533-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-14; grab collected on 31-Jul-00(13:42)**
Laboratory Sample Number: 000015304

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	46 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-15; grab collected on 31-Jul-00(13:45)**
Laboratory Sample Number: 000015305

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	320 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-16; grab collected on 31-Jul-00(13:50)**
Laboratory Sample Number: 000015306

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	73 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Please see reverse side for explanation of terms and other information.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-17; grab collected on 31-Jul-00(13:55)**
Laboratory Sample Number: 000015307

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	59 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 533-1200

FAX NO.
(410) 533-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-18; grab collected on 31-Jul-00(13:56)**
Laboratory Sample Number: 000015308

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	60 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.
(410) 633-5443

www.gascoyne.com

REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-19; grab collected on 31-Jul-00(14:00)**
Laboratory Sample Number: 000015309

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	200 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 533-1800

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(410) 533-5443

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REPORT OF ANALYSIS

Report no: 0004342

Client: APEX

Sample Id: **Submitted samples: 000731-20; grab collected on 31-Jul-00(14:15)**
Laboratory Sample Number: 000015310

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Total Petroleum Hydrocarbons	87 ppm-arb	10 ppm-arb	EPA-418.1M	WAR	02-Aug-00(19:30)

Sample/Test Notes:
Sample received at ambient temperature.

SAMPLE SUBMITTAL CHAIN-OF-CUSTODY

Page 1 of 1

SAMPLE TYPE CODES					
Field Blank	FB	Sludge	SL	Drinking Water	DW
Soil	SO	Trip Blank	TB	Ground Water	GW
Oil(s)	OL	Waste- Liquid	L	Surface Water	SW
Paint Chips	PC	Solid	S	Waste Water	WW
Wipes	WP				

GASCOYNE LABORATORIES, INC.

2101 Van Deman Street • Baltimore, MD 21224

410-633-1800 • FAX: 410-633-5443

LAB USE ONLY	
Report #	00041312
Temp. Blk.	
Cooler #	
PUC #	

Test Results to:

Company: Apex Environmental, Inc

Contact: Travis Black

Phone No. 301-417-0200

FAX No. 301-417-0169

Sample Site/Project MOTBY

Sampler/MDOE #

Client's P.O. #

RESULTS NEEDED BY: ☐ ROUTINE ☐ PRIORITY* BY: TIME DAY DATE

LAB USE ONLY LIMS NO.	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief Approx. 15 Characters Max)	SAMPLE COLLECTED DATE	SAMPLE COLLECTED TIME	COMPOSITE	GRAB	NUMBER OF CONTAINERS	TPH (418.1)	*BTEX + MTBE (8260)	COMMENTS (i.e. methods, detection limits, etc.)
	SO	000731-01 Bld 254	July 31/00	1330		X	1	X		
		000731-01A		1330			1		X	*
		000731-02		1235			1	X	1	
		000731-02A		1235			1		X	*
		000731-02B		1240			1	X		
		000731-02 BA		1240			1		X	*
		000731-03		1245			1	X		
		000731-03 A		1245			1		X	*
		000731-04		1150			1	X		
		000731-04A		1150			1		X	*

* Run 25% of highest conc. of TPH (418.1) for BTEX Ver. Lvl Analysis

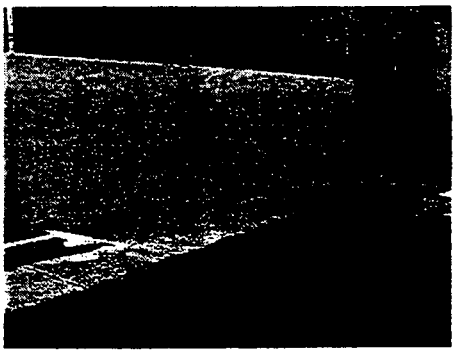
Total Number of Containers 10

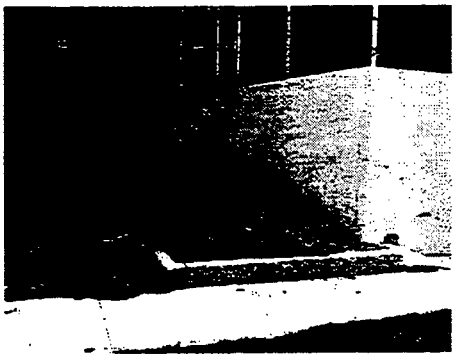
Data Package Required ☐ 1 ☐ 2 ☐ 3

Relinquished By (signature)	Printed Name/Affiliation	Date/Time	Received By (signature)	Printed Name/Affiliation	Date/Time
	W. Kiser / Apex	Aug 1	FED EX		
FED EX				P.C.	8 2 00 0730

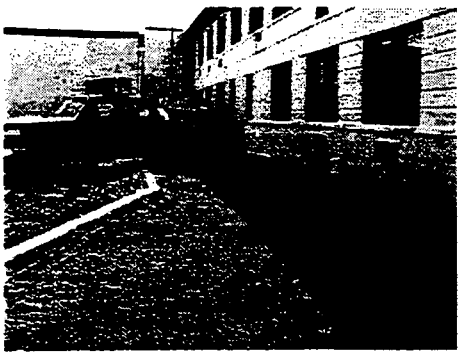
* Must Preserve Specimens

Subsurface Soil Investigation at 254 GBV 2-6000 Gallon Heating Oil UST

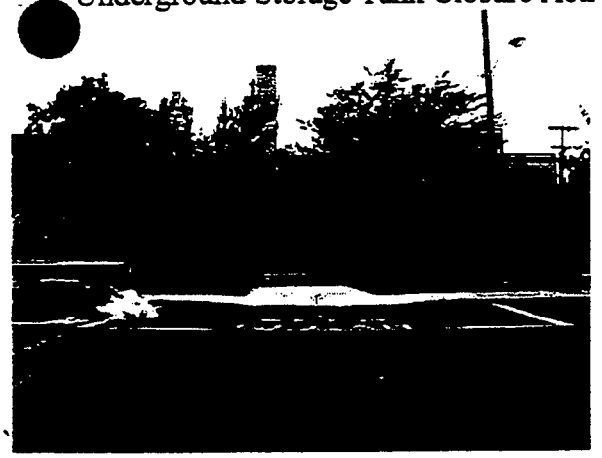


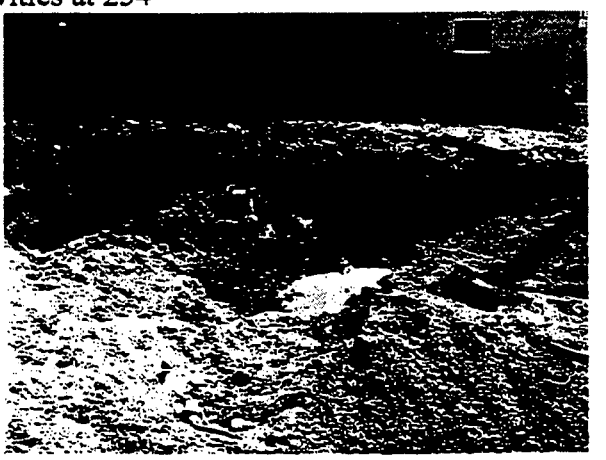


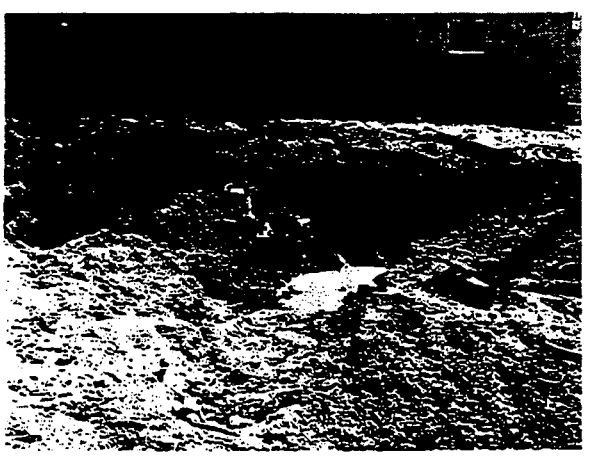
Subsurface Soil Investigation at 82 (TOC) 1000 Gallon UST

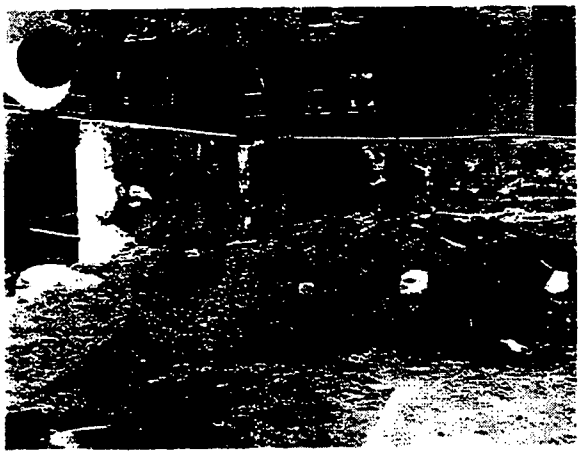


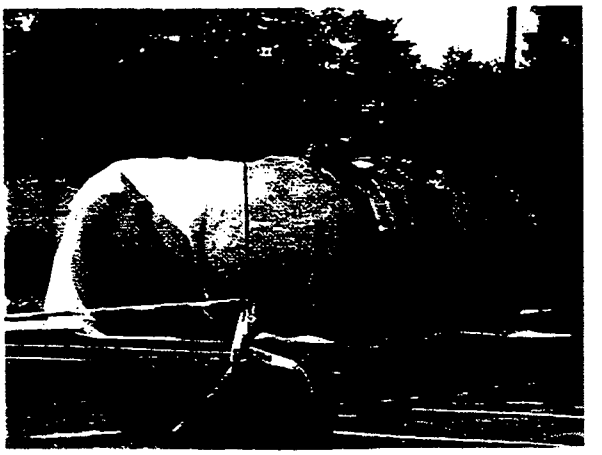
Underground Storage Tank Closure Activities at 254

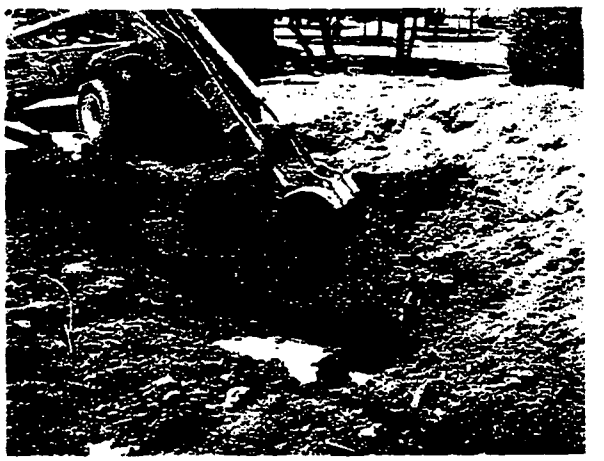


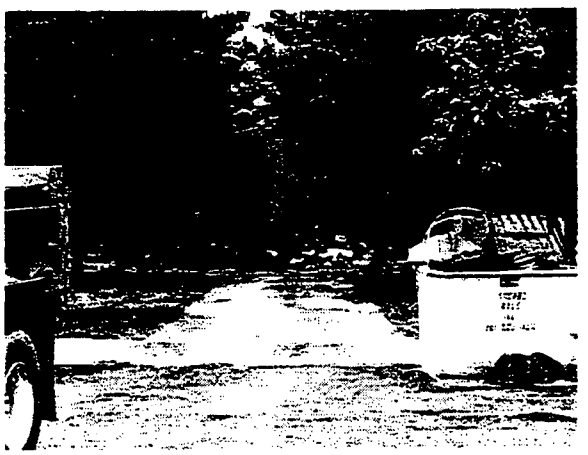






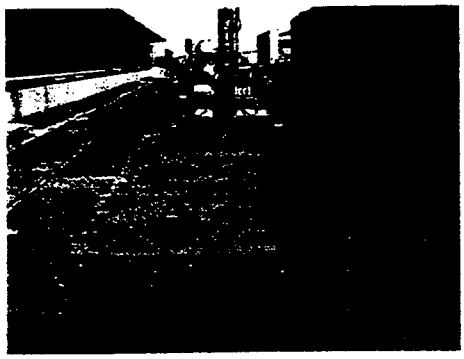


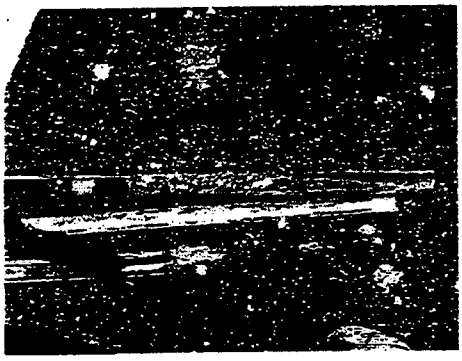
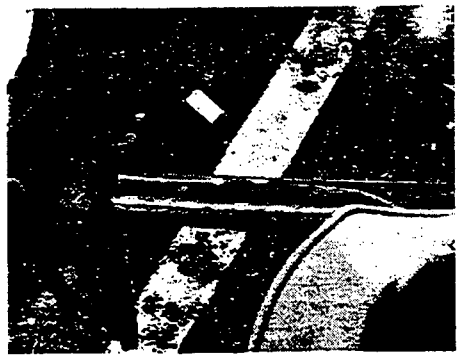




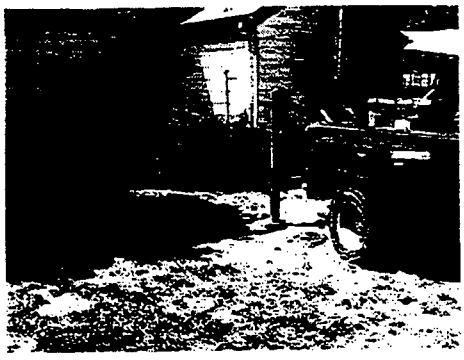
Underground Storage Tank Closure Activities at 82

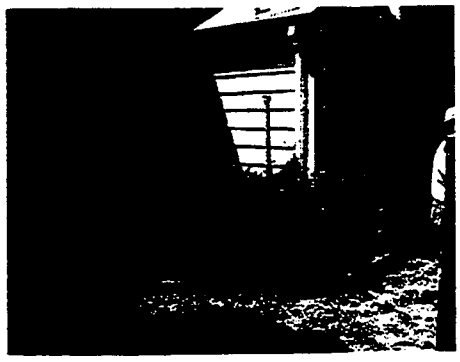
Subsurface Soil Investigation at 42 N 1-2500 Gallon UST



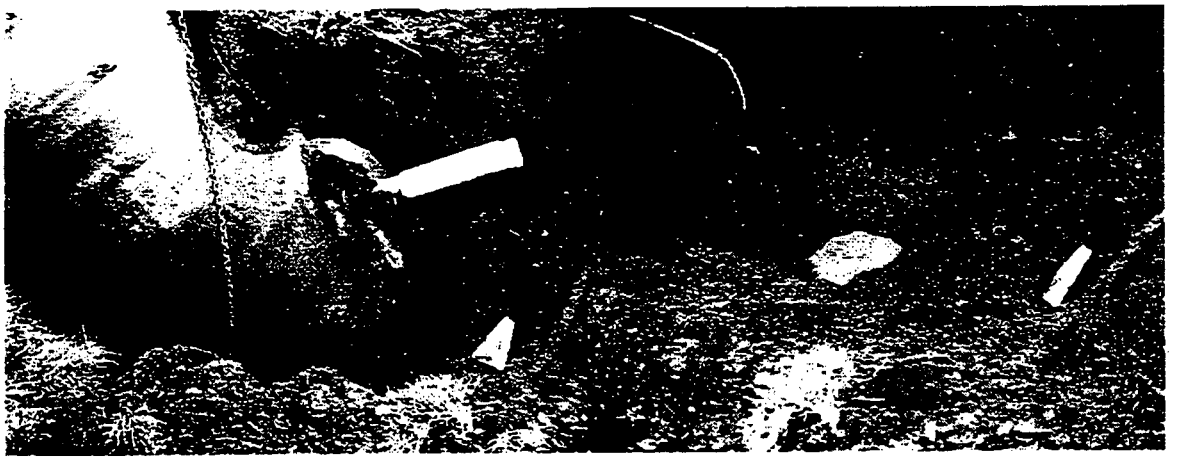
Subsurface Soil Investigation at 234A Heating Oil UST

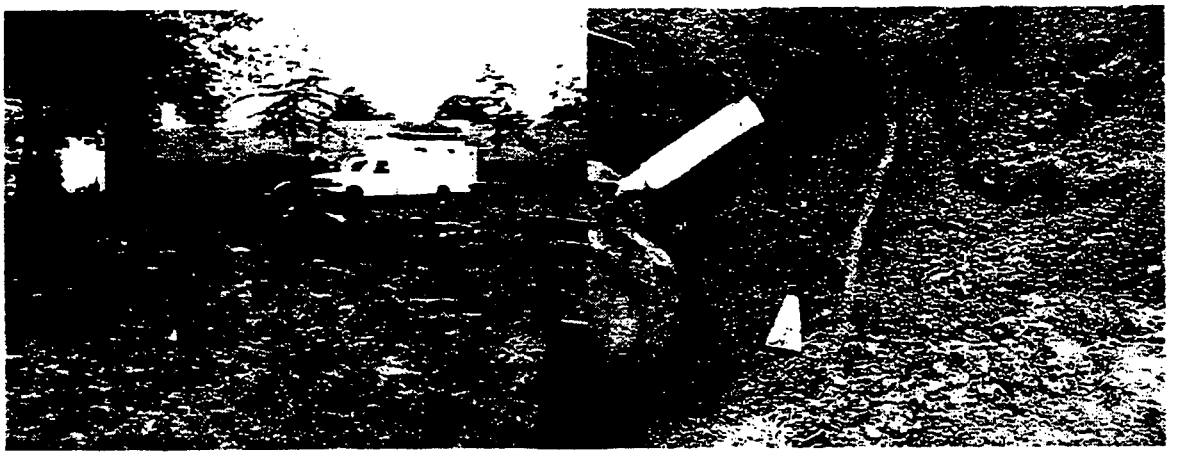




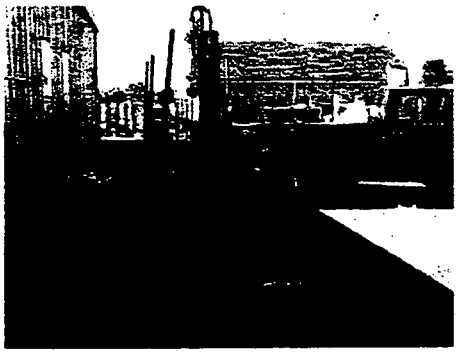
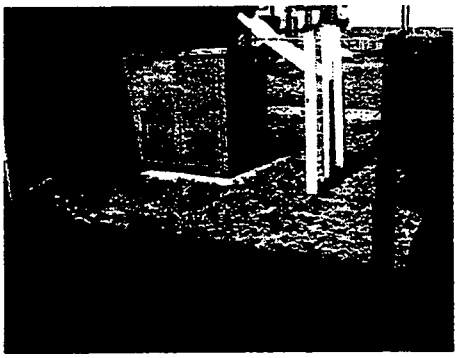
Underground Storage Tank Closure Activities at 42

1000 Gallon Tank Removal at 234 A

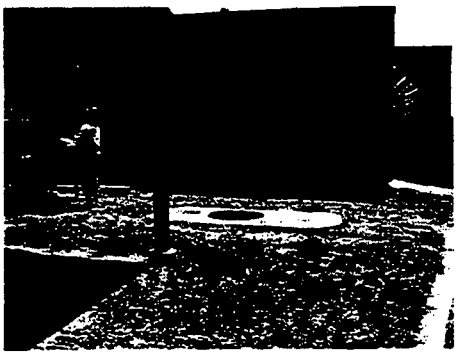
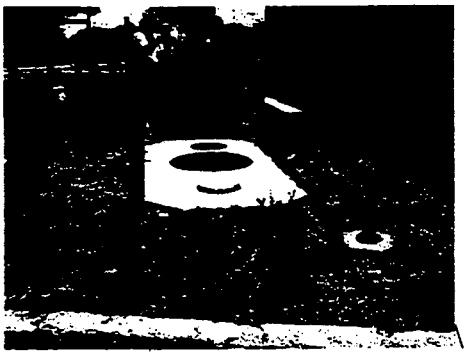
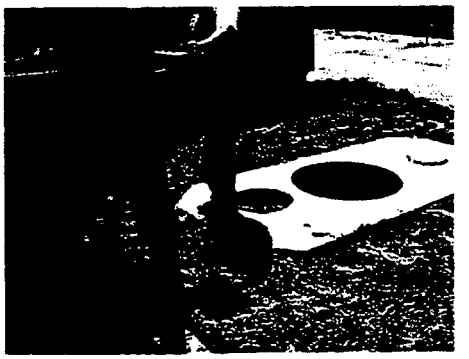




Subsurface Soil Investigation at 229H Heating Oil UST

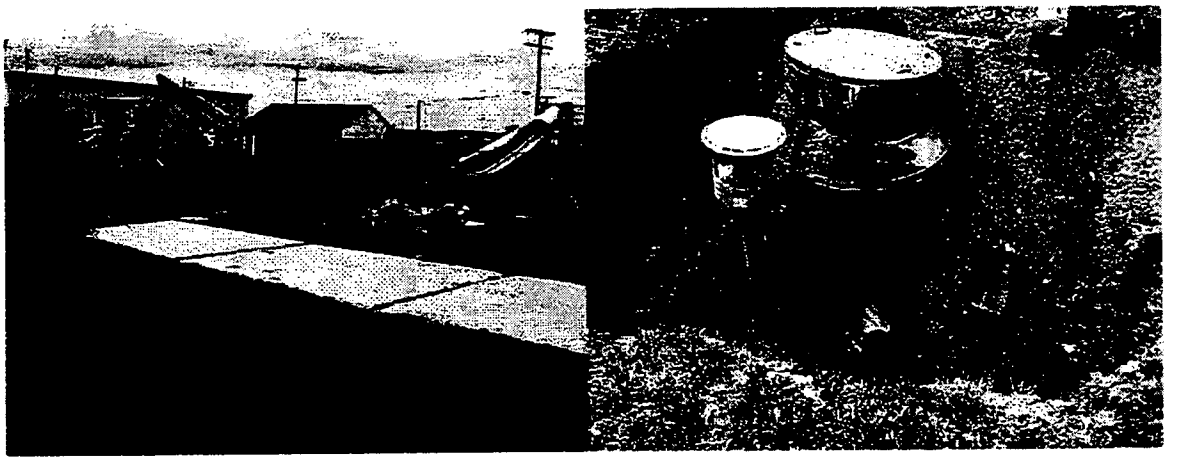



Subsurface Soil Investigation at 229J Heating Oil UST

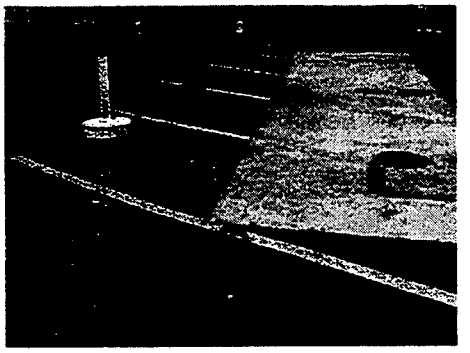




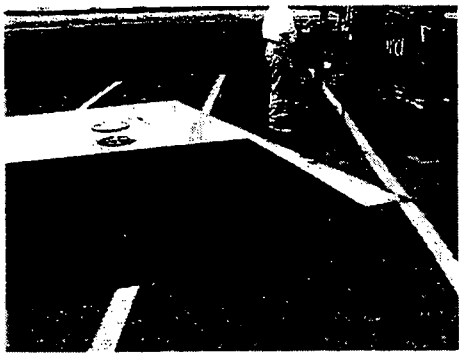
Underground Storage Tank Closure Activities at 229J

Underground Storage Tank Closure Activities at 229H



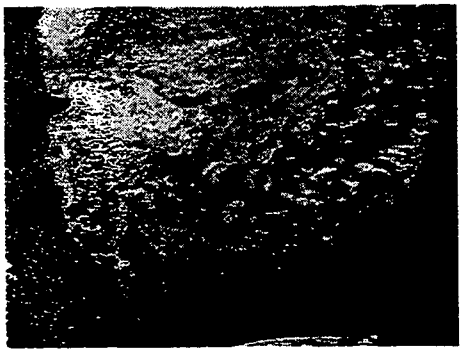
Subsurface Soil Investigation at 91D 3-2500 Gallon Gasoline Tanks

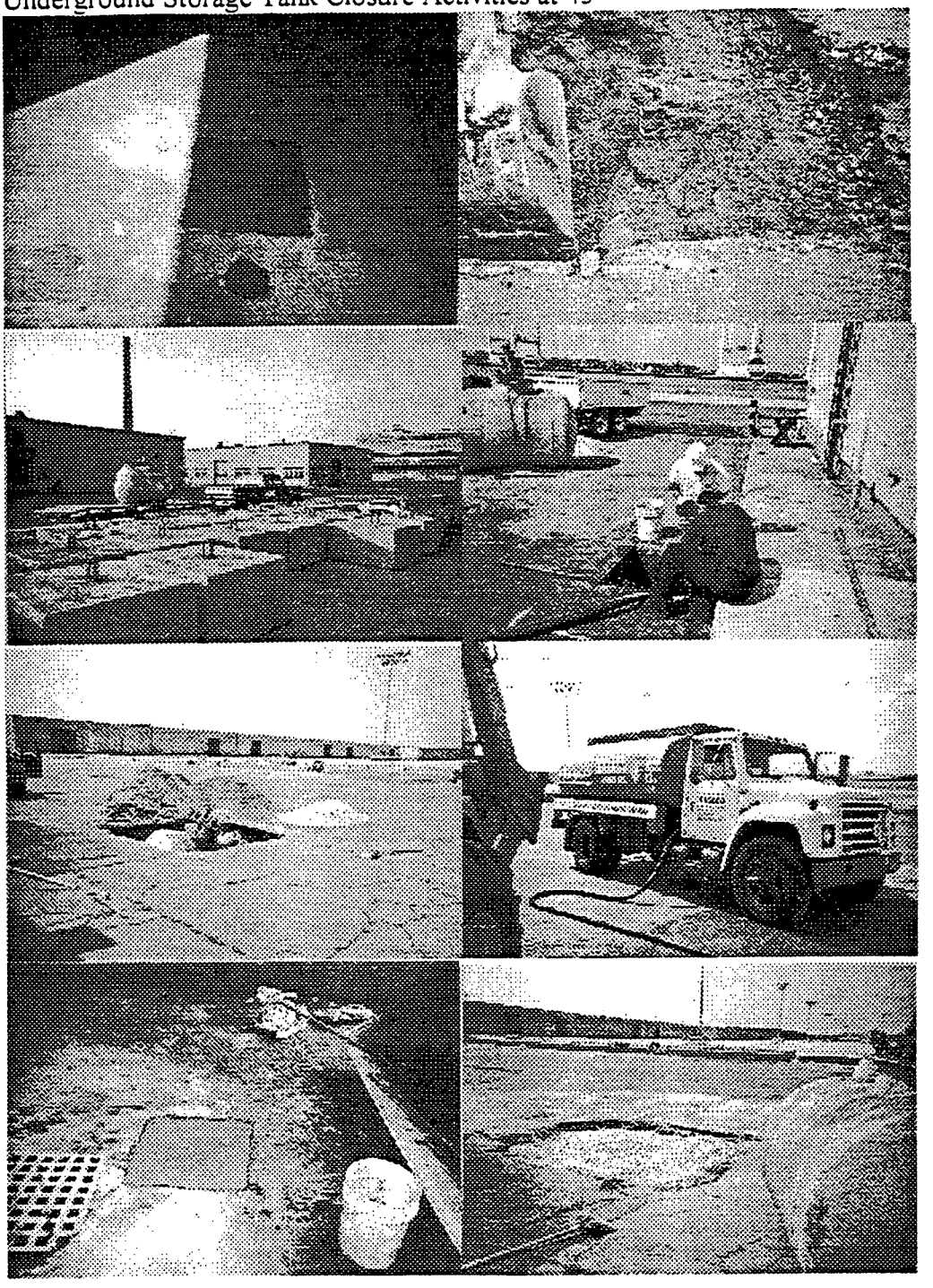




Subsurface Soil Investigation at 72A Oil Water Seperator

Underground Storage Tank Closure Activities at 91D



Underground Storage Tank Closure Activities at 72 A

Underground Storage Tank Closure Activities at 45