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7/10/93  
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for 17000

US ARMY, FORT MONMOUTH  
NEW JERSEY

DIRECTORATE OF ENGINEERING  
AND HOUSING  
ENVIRONMENTAL OFFICE

UNDERGROUND STORAGE TANKS  
CLOSURE AND SITE ASSESSMENT  
REPORT

BUILDING 2624

PREPARED BY

CHARLES M. APPLEBY  
ENVIRONMENTAL PROTECTION SPECIALIST  
NJDEPE UST SUBSURFACE CERTIFICATION # 002056

APRIL 16, 1993

U.S. Army  
DEH Bldg. 167  
SELFM-EH-EV  
Fort Monmouth NJ 07703

Date: 16, April 1993  
Site: Bldg. 2624  
NJDEPE UST Reg. #: 0081515-34  
NJDEPE Case #: NONE

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### FIGURES:

1. Site Location Scale Photo Plan 1" = 200'
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3. Scaled Site Diagram 1" = 1/8"

### APPENDICES:

1. Standard Reporting Form
2. Hazardous Waste Manifest
3. Soil Sample Analytical Results
4. NJDEPE UST Site Assessment Summary Form (UST-014)  
    and Explanation Statements
5. Certificate of recycling 1000 gal. Steel UST

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**UNDERGROUND STORAGE TANK (UST)  
DECOMMISSIONING / CLOSURE SUMMARY**

**A. General Requirements:**

All activities associated with the decommissioning of the underground storage tanks (USTs) complied with all applicable Federal, State and Local laws and ordinances. These laws included but were not limited to: NJAC 7:14B et seq., 5:23 et seq. and OSHA 1910.146 & 1910.120. The removal of this UST was directed as an emergency due to the proximity of the UST to the Petroleum Contaminated Soil Staging area. Due to the large amount of soil needing storage until sampling and analysis is complete, the pad needs to be extended. This UST was situated adjacent to the pad and the potential existed for damage to the UST during soil loading and unloading operations. Due to the delay time encountered by the department in obtaining funds and approvals, the UST was removed. All removal activities followed all applicable requirements.

**B. Safety and Health:**

Before, during, and after all activities, the work site was made free of all hazards which may have posed a threat to the health and safety of all personnel who were involved with, or were affected by, the decommissioning of the UST System. All areas which posed, or may have been suspected to pose a vapor hazard were monitored by a qualified individual utilizing approved equipment. The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA.

**C. UST Excavation:**

1. All underground obstructions (utilities,... etc.) were marked out by the contractor performing the excavation.
2. All activities were carried out with the greatest regard to safety and health and the safeguarding of the environment.
3. All excavated soils were evaluated as to the possibility of contamination. Soils suspected to be contaminated with product were staged on poly-sheeting separate from soils not suspected to be contaminated (see section E Excavated Soils management).
4. Surface materials (ie. asphalt, concrete, etc...) were excavated and staged separate from all soils.

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5. Soil was excavated to expose the USTs and associated piping. The piping was not removed/disturbed until all free product was drained into the UST. The USTs were rendered vapor free by purging prior to any cutting or access. After the removal of the associated piping, manways were made in the USTs to allow for the proper cleaning of the USTs. The USTs were completely emptied of all liquids prior to removal of the USTs from the ground. The tank contents were removed via a vac truck (Casie/Protank Inc.) and the contents were recycled by the same (NJ MANIFEST # NJA 1587161). Access to the UST for Cleaning was via confined space entry procedures utilizing supplied air respirators. All of the openings in the tanks were plugged, except for one vent hole (manway), prior to UST removal from the excavation.

6. After each UST was removed from the ground, it was staged on poly-sheeting and examined for corrosion holes. The presence or absence of corrosion holes was documented by the Sub-Surface Evaluator. No corrosion holes (Holidays) were observed upon the inspection of the UST. The excavation site was not contaminated, based on field survey readings. The site excavation filled with groundwater to a depth of approx. one foot in the area of the UST field due to weather conditions (rain) as well as the breaking of a water service during site assessment sampling activities. No oil sheen was observed on the exposed water surface.

D. UST Transport / Disposal:

1. The tank was transported / recycled by :

On 03 March 1993 the UST was transported by All Service Environmental Inc. and recycled by MAZZA & SONS, INC. Metal Recyclers, 3230 Shafto Rd. Tinton Falls NJ, NJDEPE # 1336001136, in compliance with all applicable regulations and laws.

2. The Subsurface Evaluator labeled the tank prior to transport to the Storage Area with the following information:

- a. site of origin: U.S. ARMY, FORT MONMOUTH
- b. contact person: Dinker Desai
- c. NJDEP UST ID numbers: 0081515-28 and 0081515-64
- d. product previously stored; HEATING OIL
- e. name of transporter/contract person:  
ALL SERVICE ENVIRONMENTAL INC. / Mark Turoff
- f. destination site / contact person  
MAZZA AND SONS INC. / Dominic Mazza

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E. Excavated Soils Management: No Suspect Contaminated soils were Encountered.

1. All excavated soils suspected to be contaminated were transported, by the contractor, to a designated staging area within Fort Monmouth. The designated area contains the soils and direct all stormwater runoff away from any contact with the surrounding soils.
2. All soils stored in the designated staging areas will be maintained in piles no larger than 500 cubic yards each. Each pile will be lined and covered with weighted poly-sheeting to ensure proper containment.
3. Each soil pile will be sampled and analyzed for waste classification as outlined in the NJDEP document titled "Management of Excavated Soils" dated August 17, 1990.
4. All soils categorized as Hazardous Waste or Nonhazardous Waste will be managed as such, in accordance with N.J.A.C. 7:26-1 et seq.. Fort Monmouth has an established contract with All Service Environmental Inc., Contract # DAAB0892D0004 for the proper incineration of ID-27 soils at Soil Remediation of Philadelphia Inc..
5. All soils that contain levels of contaminants below the Category 3 soil limits will be used in accordance with Federal and State requirements.

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**UNDERGROUND STORAGE TANK (UST)  
SITE ASSESSMENT SUMMARY**

**General:**

This site specific assessment plan was managed and carried out by the U.S. Army DEH and Serv-Air Inc. personnel. All analyses were performed and reported by NJDEP certified testing laboratories. All sampling was performed under the direct supervision of a NJDEPE Certified Sub-Surface Evaluator and according to the methods described in the 1992 NJDEP Field Sampling Procedures Manual. All records of the Site Assessment Activities are maintained by Fort Monmouth, DEH: Environmental Office.

Closure Contractor: ALL SERVICE ENVIRONMENTAL INC.

NJDEPE Firm Closure Cert. #: 3100194

Contact Person: Mark Turoff

NJDEPE Closure Cert. #: 0107

Phone Number:(914) 365-0800

Subsurface Evaluator During Removal: Dinker Desai

NJDEPE Closure/Subsurface Cert. #: 2266

Employer: U.S. Army, Fort Monmouth

Phone Number: (908) 532-1475

Subsurface Evaluator During Sampling: Charles Appleby

NJDEPE Closure/Subsurface Cert. #: 2056

Employer: U.S. Army, Fort Monmouth

Phone Number: (908) 532-6224

Analytical Laboratory: Fort Monmouth Environmental Testing  
Laboratory

NJDEPE Cert. #: 13461

Contact Person: Brian McKee, Laboratory Director

Phone Number: (908) 532-4359

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**PHASE I  
UST DECOMMISSIONING**

**A. Initial Soil Excavation:**

1. Soils were excavated from the UST site and screened utilizing a Flame Ionization Detector (FID) or Photo Ionization Detector (PID).
2. All soils observed to be contaminated via observed readings from the field instrument (greater than background) were transported to the designated staging area for further classification (TPHC analysis, ECT..) when the staged amount exceeds 100 cu.yds.. No suspect contaminated soils were encountered.

**B. Continued Excavation:**

1. Excavation of suspect contaminated soil was not needed.

**PHASE II  
Site Survey**

**A. Vapor Screening:**

1. An individual under the direct supervision of a NJDEPE Sub-Surface Evaluator and trained in the operation of a FID and/or PID evaluated the sides and pit bottom of the excavation.
2. Based on the observed field readings, soils were not suspected to be contaminated with petroleum product.

**PHASE III  
Site Sampling**

**A. SOIL SAMPLING:**

1. Soil samples were collected and analyzed from the UST excavation and are summarized in TABLE 1 as follows:

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TABLE 1

SUBSURFACE SOIL ANALYSIS SUMMARY REPORT  
 LABORATORY: Fort Monmouth Environmental Testing Laboratory  
 SAMPLING DATE: APRIL 14, 1993  
 SUBSURFACE SOIL ANALYSIS SUMMARY REPORT

ANALYTICAL RESULTS (MG/KG) (J) INDICATES DETECTED BELOW MDL (B)INDICATES ALSO PRESENT IN BLANKS			
	VOC {TOTAL(NO B)}	OVA FIELD SURVEY	TOTAL PETROLEUM HYDROCARBONS
NJDEPE SUBSURFACE CLEANUP STANDARD	NONE	NONE	NONE
SITE A	NA	ND	10.50
B	NA	ND	6.76
C	NA	ND	21.40
D	NA	ND	7.15
E(SPLIT OF D)	NA	ND	8.84
METHOD BLANK	NA	NA	ND
FIELD BLANK	NA	NA	NA
SAMPLE MEAN	NA	ND	11.88

NOTE: The complete listing of all results and the associated paperwork (QA/QC) is enclosed within attachment A.. All Site Locations are labeled on the attached site map.

2. All samples were taken in the native soil, from the interior of the excavation. The sample locations were along the perimeter of the tank excavation. All of the soil samples were discrete samples taken within a 6 inch vertical interval. All samples were collected by utilizing laboratory decontaminated stainless steel trowels dedicated to each sample location. All TPHC samples were taken at a depth of 0-6 inches with the use of a laboratory decontaminated stainless steel trowel. Each TPHC sample was screened with an FID and/or PID and recorded immediately after collection. Each referenced Sample directly correlates to the sample sites on the attached drawing. The samples were taken from a clean well sorted fine tan sand strata.



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## UST REMOVAL FIELD CHECK LIST

GOVERNMENT SUBSURFACE EVALUATOR: CHARLES APPLEBY  
NJDEPE CERTIFICATION NUMBER: 2056

REMOVAL CONTRACTOR: ALL SERVICE ENVIRONMENTAL INC.  
FIRM NJDEPE CERT.#: 3100194  
SITE SUPERVISOR: Mark Turoff  
NJDEPE CERTIFICATION NUMBER: G0000107

NJDEPE HOTLINE: (609) 292-7172 CALLED BY: not called  
DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ OPERATOR: \_\_\_\_\_ SITE#: \_\_\_\_\_

EMERGENCY PHONE #'S: FIRE, POLICE, FIRST AID: 911

WEATHER: Sunny 60 degrees F  
DATE: MAR. 25 - APR. 13

### UST's REMOVED

UST #	CONSTRUCTION	SIZE	CONDITION (HOLIDAYS,ETC..)	PHOTO
34	I STEEL	I 1,000	I GOOD CONDITION	I NO

1. TYPE OF BACKFILL REMOVED AROUND TANKS: BANKRUN FILL

2. WAS WATER IN EXCAVATION? (YES) DEPTH TO WATER (FT.) 1 FOOT

3. WAS FREE PRODUCT OBSERVED IN EXCAVATION? (NO)

5. WASTE REMOVAL: HAZ-LIQUID - 1000 GAL.

- CASIE/PROTANK MANIFEST # NJA1587161

SLUDGE - 0 GAL.-

SOIL(ID-27) - 0 YD<sup>3</sup>s - SOIL REMEDIATION OF PHILIDELPHIA

6. WHO AUTHORIZED THE BACKFILL OF THE EXCAVATION? C. APPLEBY

7. AMOUNTS OF BACKFILL USED: CLEAN FILL 27 YD<sup>3</sup>s  
WASHED STONE 0 YD<sup>3</sup>s



DEH File Copy mailed 4/30/93

~~State of New Jersey~~  
~~Department of Environmental Protection and Energy~~  
~~Division of Responsible Party Site Remediation~~  
~~CN 028~~  
~~Trenton, NJ 08625-0029~~  
  
ATTN: UST Program  
(609) 984-3156

For State Use Only

Date Rec'd: \_\_\_\_\_  
Auth: \_\_\_\_\_  
Routing: \_\_\_\_\_  
UST NO: \_\_\_\_\_

**STANDARD REPORTING FORM**  
for reporting activities at an UST facility

- |  |   |
|--|---|
| <input type="checkbox"/> General Facility Information Changes        | <input type="checkbox"/> Sale or Transfer         |
| <input checked="" type="checkbox"/> Closure (Abandonment or Removal) | <input type="checkbox"/> Substantial Modification |
| <input type="checkbox"/> Temporary Closure                           | <input type="checkbox"/> Financial Responsibility |
| <input type="checkbox"/> Change in Service                           | <input type="checkbox"/> Address Change Only      |

Check ONLY One Type of Activity - Complete Form For That Activity

(More than one tank can be listed per activity)

\*\*\* NOTE \*\*\* ALL NEW tank installations at existing registered facilities must submit a Registration Questionnaire for the new tanks.

Answer questions 1 through 5 and others as applicable.

1. Company name and address (as it appears on registration questionnaire):

U.S. ARMY Fort Monmouth  
DEH Bldg 167  
Fort Monmouth NJ 07703  
ATTN: Charles Applegate

2. Facility name and location (if different from above):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Contact person for this activity:

Charles Applegate  
Telephone Number: 908-1-532-6224

4. The identification number of the affected tank as it appears in Question Number 12 on the Registration Questionnaire:

Bldg: 2624 34

Emergency Removal - Awaiting Funding For For Payment

5. Registration Number (if known):

UST: 0081515

6. For GENERAL FACILITY INFORMATION changes (address, telephone, contact person, etc. - supply NEW information only):

- a. Facility name: \_\_\_\_\_
- b. Facility location: \_\_\_\_\_
- c. Owner's mailing address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ NJ \_\_\_\_\_
- d. Block: \_\_\_\_\_ Lot: \_\_\_\_\_
- e. Contact person (facility operator): \_\_\_\_\_
- f. Contact telephone number: (\_\_\_\_\_) \_\_\_\_\_
- g. Other (Specify): \_\_\_\_\_

(OVER)

7. For CLOSURE (abandonment or  check all that apply):

a.  Abandonment Date: 1 / 1 Case No:                       
 Attach the necessary implementation schedule (3 copies) and all documentation needed for abandonment per N.J.A.C. 7:14B-9.1(d).

b.  Removal Date: 3 1 25 / 93 Case No: None  
 Attach the necessary implementation schedule (3 copies) N/A  
*Emergency Removal*  
*Currently awaiting funding*  
*For Fee Payment (170.00)*

8. For CHANGES IN HAZARDOUS SUBSTANCES STORED (check all that apply):

a.  Temporary Closure (12 month maximum time - see N.J.A.C. 7:14B-9.1(b)): Remove all hazardous substances; leave tank in place.

b.  Change in service from a regulated substance to a non-regulated substance: Tank must be cleaned and site assessment performed per N.J.A.C. 7:14B-9.1(e).

c.  Changes in service from one regulated hazardous substance to another regulated hazardous substance:

Tank No. _____	Old: _____	New: _____
Tank No. _____	Old: _____	New: _____
Tank No. _____	Old: _____	New: _____

(Attach additional sheets if more space is needed):

9. For TRANSFER OF OWNERSHIP: Effective Date: 1 / 1

a. New Owner (operator) \_\_\_\_\_

b. New Facility Name \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ NJ \_\_\_\_\_  
 \_\_\_\_\_ County \_\_\_\_\_

c. Closing Attorney \_\_\_\_\_ Tele: (\_\_\_\_) \_\_\_\_\_

10. For SUBSTANTIAL MODIFICATIONS (to include any retrofitted activity - e.g. the addition of spill/overflow protection, monitoring systems, cathodic protection, etc.):

a. Type of Modification: \_\_\_\_\_ Date: 1 / 1

b. \* NOTE \* Substantial modifications require a permit under N.J.A.C. 7:14B-10.

11. For changes in FINANCIAL RESPONSIBILITY to (check appropriate changes and attach copies of new information):

a. Policy Type: <input type="checkbox"/>	d. Company/Carrier: <input type="checkbox"/>
b. Policy Number: <input type="checkbox"/>	e. Expiration Date: <input type="checkbox"/>
c. Other: <input type="checkbox"/>	

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 (Specify):

NOTE: ALL appropriate and applicable permits, licenses and certificates required by the above activity (ies) from any local, state and/or federal agencies must be obtained separately from this notification.

**CERTIFICATION:**

\*\*\*This registration form shall be signed by the highest ranking individual at the facility with overall responsibility for that facility (N.J.A.C. 7:14B-2.3(a)1).\*\*\*

"I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including fines and/or imprisonment."

Signature: *James Oll*

Name (print or type): Mr. James Oll

Title: Act. Dir. Directorate of Eng + Hsg Date: 4/27/93



State of New Jersey Department of Environmental Protection Division of Hazardous Waste Management Manifest Section CN 028 Trenton, N.J. 08625

Please type or print in block letters (Form designed for use on 4112 photo typewriter)

Form Approved: OMB No. 2050-0032 Expires 9-30-94

In case of an emergency or spill immediately call to state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NJ 222 103 209 78	Manifest Document No. 908	2. Page 1 of 1	Information in this shaded area is not required by Federal law.
3. Generator's Name and Mailing Address: U.S. Army Communications Electronics Command Charles Wood Area, C/O James Shirohito, Bldg #2504, Attn: 3ELM-DL-K2-MB, Fort Monmouth, NJ 07703			A. State Manifest Document Number NEWJ-1000000000		
4. Generator's Phone (908) 532-9911			B. State Generator's ID		
5. Transporter 1 Company Name: Case/Protank		6. US EPA ID Number: NJ 204 399 509 3		C. State Trans. ID	
7. Transporter 2 Company Name:		8. US EPA ID Number:		D. Transporter's Phone (609) 292-4401	
9. Designated Facility Name and Site Address: Case Ecology Oil Salvage 3209 N. Mill Rd Vineland, N.J. 08360		10. US EPA ID Number: NJ 204 399 509 3		E. State Trans. ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Combustible Liquid, F.O.C. Combustible Liquid, NA193			0	1	0
b. Combustible Liquid, F.O.C. Combustible Liquid, NA193			*	0, 3, 1	322.4 G
c.					
d.					
15. Special Handling Instructions and Additional Information: 24-hour emergency response phone # (908) 532-9911 James Shirohito CPI000931Z REG-622 CPI000921Z * US# 81515-57,58,59,34 Bldg: 2567			K. Handling Codes for Waste		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name: Joseph M. Filton		Signature: Joseph M. Filton			
17. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: JIM WILSON		Signature: [Signature]		Month Day Year: 03 23 90	
18. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name:		Signature:		Month Day Year:	
19. Discrepancy Indication Space:					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name:		Signature:		Month Day Year:	

GENERATOR

TRANSPORTER

FACILITY

**Report of Analysis**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEPE Certification # 13461**

**Client:** U.S. Army  
 DEH, SELFM-EH-EV  
 Bldg. 167  
 Ft. Monmouth, NJ 07703

**Lab. ID #:** 1178.1-.5  
**Sample Rec'd:** 04/13/93  
**Analysis Start:** 04/14/93  
**Analysis Comp:** 04/14/93

**Analysis:** 418.1 (TPH)  
**Matrix:** Soil  
**Analyst:** S. Hubbard

**NJDEPE UST Reg. #:** 0081515-34  
**TMS #:** X-XX-XXXX  
**NJDEPE Case #:** XXXX  
**Location #:** 2624

Lab ID.	Description	%Solid	Result (mg/Kg)	MDL
1178.1	Site A #	87	10.5	3.3
1178.2	Site B #	92	6.76	3.3
1178.3	Site C #	84	21.4	3.3
1178.4	Site D #	87	7.15	3.3
1178.5	Site E (duplicate Site D) #	87	8.84	3.3
M. Bl.	METHOD BLANK	100	ND	3.3

**Notes:** ND = Not Detected, MDL = Method Detection Limit  
 \* = Silica Gel Added # = OVA: ND (Comment from COC)

**I certify that all sampling and/or analysis conformed to the appropriate regulations.**



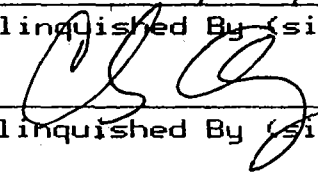
**Brian K. McKee**  
 Laboratory Director

P.O. #: \_\_\_\_\_

Chain of Custody

Project #: 2624 UST Closure	Sampler: C. Appley DEH	Date / Time: 4/13/93	Analysis Parameters	Start: 1530
Customer: DEH	Site Name: Bldg. 2624 UST # 0081515-34			Finish: 1630
Phone: 532-6224				Preservation Method

Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Analysis Parameters							Remarks	
1178.1	4/13/93 1555	Site A	Soil	1	X								OVA - ND
- 2	4/13/93 1600	Site B	Soil	1	X								OVA: ND
. 3	4/13/93 1605	Site C	Soil	1	X								OVA: ND
. 4	4/13/93 1610	Site D	Soil	1	X								OVA: ND
. 5	4/13/93 1615	Site E Duplicate D	Soil	1	X								OVA: ND

Relinquished By (signature): 	Date / Time: 4/13/93 1630	Received By (signature):	Shipped By:
Relinquished By (signature):	Date / Time:	Received for Lab by (signature):	Date / Time:

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.



UST #: \_\_\_\_\_  
 Date Rec'd: \_\_\_\_\_  
 TMS #: \_\_\_\_\_  
 Staff: \_\_\_\_\_

**State of New Jersey**  
**Department of Environmental Protection and Energy**  
 Division of Responsible Party Site Remediation

CN 029  
 Trenton, NJ 08625-0029  
 Tel: # 609-984-3156  
 Fax: # 609-292-5604

Scott A. Weiner  
 Commissioner

Karl J. Delaney  
 Director

**UNDERGROUND STORAGE TANK**  
**SITE ASSESSMENT SUMMARY**

*Under the provisions of the Underground Storage  
 of Hazardous Substances Act  
 in accordance with N.J.A.C. 7:14B*

This Summary form shall be used by all owners and operators of Underground Storage Tank Systems (USTS) who have either reported a release and are subject to the site assessment requirements of N.J.A.C. 7:14B-8.2 or who have closed USTS pursuant to N.J.A.C. 7:14B-9.1 et seq. and are subject to the site assessment requirements of N.J.A.C. 7:14B-9.2 and 9.3.

INSTRUCTIONS:

- Please print legibly or type.
- Fill in all applicable blanks. This form will require various attachments in order to complete the Summary. The technical guidance document, Interim Closure Requirements for UST's, explains the regulatory (and technical) requirements for closure and the Scope of Work, Investigation and Corrective Action Requirements for Discharges from Underground Storage Tanks and Piping Systems explains the regulatory (and technical) requirements for corrective action.
- Return one original of the form and all required attachments to the above address.
- Attach a scaled site diagram of the subject facility which shows the information specified in Item IV B of this form.
- Explain any "No" or "N/A" response on a separate sheet.

Date of Submission: March 16, 1993

0081515-34  
 FACILITY REGISTRATION #

I. FACILITY NAME AND ADDRESS:

U.S. Army Fort Monmouth  
Charles Wood West  
Fort Monmouth NJ 07703 County: Monmouth  
 Telephone No: (908) 532-6224

OWNER'S NAME AND ADDRESS, if different from above

U.S. Army Fort Monmouth  
DEH Bldg 167  
Fort Monmouth NJ 07703  
 Telephone No: 908-532-6224

II. DISCHARGE REPORTING REQUIREMENTS

- A. Was contamination found?  Yes  No If Yes, Case No: N/A  
(Note: All discharges must be reported to the Environmental Action Hotline: (609) 292-7172)
- B. The substance(s) discharged was(were): NONE
- C. Have any vapor hazards been mitigated?  Yes  No  N/A

III. DECOMMISSIONING OF TANK SYSTEMS

Closure Approval No: NONE Emergency - Payment Enclosed

The site assessment requirements associated with tank decommissioning are explained in the Technical Guidance Document, Interim Closure Requirements for UST's, Section V. A-D. Attach complete documentation of the methods used and the results obtained for each of the steps of tank decommissioning used. Please include a site map which shows the locations of all samples and borings; the location of all tanks and piping runs at the facility at the beginning of the tank closure operation and annotated to differentiate the status of all tanks and piping (e.g., removed, abandoned, temporarily closed, etc.). The same site map can be used to document other parts of the site assessment requirements, if it is properly and legibly annotated.

IV. SITE ASSESSMENT REQUIREMENTS

A. Excavated Soil

Any evidence of contamination in excavated soil will require that the soil be classified as either Hazardous Waste or Non-Hazardous Waste. Please include all required documentation of compliance with the requirements for handling contaminated excavated soil (if any was present) as explained in the technical guidance documents for closure and corrective action. Describe amount of soil removed, its classification, and disposal location.

B. Scaled Site Diagrams

1. Scaled site diagrams must be attached which include the following information:

- a. North arrow and scale
- b. The locations of the ground water monitoring wells
- c. Location and depth of each soil sample and boring
- d. All major surface and sub-surface structures and utilities Too Extensive
- e. Approximate property boundaries Photos
- f. All existing or closed underground storage tank systems including appurtenant piping No Existing
- g. A cross-sectional view indicating depth of tank, stratigraphy and location of water table Too Extensive
- h. Locations of surface water bodies Photo

C. Soil samples and borings (check appropriate answer)

1. Were soil samples taken from the excavation as prescribed?  Yes  No  N/A
2. Were soil borings taken at the tank system closure site as prescribed?  Yes  No  N/A
3. Attach the analytical results in tabular form and include the following information about each sample:
  - a. Customer sample number (keyed to the site map)
  - b. The depth of the soil sample
  - c. Soil boring logs
  - d. Method detection limit of the method used
  - e. QA/QC information as required



D. Ground Water Monitoring: N/A

1. Number of ground water monitoring wells installed: 0
2. Attach the analytical results of the ground water samples in tabular form. Include the following information for each sample from each well:
  - a. Site diagram number for each well installed
  - b. Depth of ground water surface
  - c. Depth of screened interval
  - d. Method/detection limit of the method used
  - e. Well logs
  - f. Well permit numbers
  - g. QA/QC Information as required

V. SOIL CONTAMINATION

- A. Was soil contamination found?  Yes  No  
 If "Yes", please answer Question B-E  
 If "No", please answer Question B
- B. The highest soil contamination still remaining in the ground has been determined to be:
  1. NA ppb total BTEX, NA ppb total non-targeted VOC
  2. NA ppb total B/N, NA ppb total non-targeted B/N
  3. 21.4 ppm TPHC
  4. NA ppb NA (for non-petroleum substance)
- C. Remediation of free product contaminated soils
  1. All free product contaminated soil on the property boundaries and above the water table are believed to have been removed from the subsurface:  Yes  No
  2. Free product contaminated soils are suspected to exist below the water table  Yes  No
  3. Free product contaminated soils are suspected to exist off the property boundaries.  Yes  No
- D. Was the vertical and horizontal extent of contamination determined?  Yes  No  N/A
- E. Does soil contamination intersect ground water?  Yes  No  N/A

VI. GROUND WATER CONTAMINATION

- A. Was ground water contamination found?  Yes  No  N/A  
 If "Yes", please answer Questions B-G  
 If "No", please answer only Question B
- B. The highest ground water contamination at any 1 sampling location and at any 1 sampling event to date has been determined to be: NA
  1. \_\_\_\_\_ ppb total BTEX, \_\_\_\_\_ ppb total non-targeted VOC
  2. \_\_\_\_\_ ppb total B/N, \_\_\_\_\_ ppb total non-targeted B/N
  3. \_\_\_\_\_ ppb total MTBE, \_\_\_\_\_ ppb total TBA
  4. \_\_\_\_\_ ppb \_\_\_\_\_ (for non-petroleum substance)
  5. greatest thickness of separate phase product found \_\_\_\_\_
  6. separate phase product has been delineated  Yes  No  N/A
- C. Result(s) of well search
  1. A well search (including a review of manual well records) indicates that private, municipal or commercial wells do exist within the distances specified in the Scope of Work.  Yes  No  N/A
  2. The number of these wells identified is: NA

D. Proximity of wells and contaminant plume: N/A

1. The shallowest depth of any well noted in the well search which may be in the horizontal or vertical potential path(s) of the contaminant plume(s) is: \_\_\_\_\_ feet below grade (consideration has been given for the effects of pumping, subsurface structures, etc. on the direction(s) of contaminant migration). This well is \_\_\_\_\_ feet from the source and its screening begins at a depth of \_\_\_\_\_ feet.
2. The shallowest depth to the top of the well screen for any well in the potential path of the plume(s) (as described in D1 above) is: \_\_\_\_\_ feet below grade. This well is located \_\_\_\_\_ feet from the source.
3. The closest horizontal distance of a private, commercial or municipal well in the potential path of the plume (as determined in D1) is: \_\_\_\_\_ feet from the source. This well is \_\_\_\_\_ feet deep and screening begins at a depth of \_\_\_\_\_ feet.

E. A plan for separate phase product recovery has been included.  Yes  No  N/A

F. A ground water contour map has been submitted which includes the ground water elevations for each well.  Yes  No  N/A

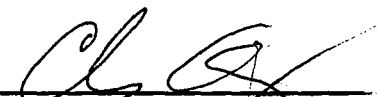
G. Delineation of contamination: N/A

1. The ground water contaminants have been delineated to MCLs or lower values at the property boundaries.  Yes  No
2. The plume is suspected to continue off the property at concentrations greater than MCLs.  Yes  No
3. Off property access (circle one):  is being sought  has been approved  has been denied.

VII. SITE ASSESSMENT CERTIFICATION [preparer of site assessment plan - N.J.A.C. 7:14B-8.3(b) & 9.5(a)3]

The person signing this certification as the "Qualified Ground Water Consultant" (as defined in N.J.A.C.7:14B-1.6) responsible for the design and implementation of the site assessment plan as specified in N.J.A.C. 7:14B-8.3(a) & 9.2(b)2, must supply the name of the certifying organization and certification number:

*"I certify under penalty of law that the information provided in this document is true, accurate, and complete and was obtained by procedures in compliance with N.J.A.C. 7:14B-8 and 9. I am aware that there are significant penalties for submitting false, inaccurate, or incomplete information, including fines and/or imprisonment."*

NAME (Print or Type) Charles M. Appleby SIGNATURE 

COMPANY NAME U.S. Army Fort Monmouth DATE 4/16/93  
(Preparer of Site Assessment Plan)

CERTIFYING ORGANIZATION NJDEP E Closure / Subsurface CERTIFICATION NUMBER 2056

VIII. TANK DECOMMISSIONING CERTIFICATION [person performing tank decommissioning portion of closure plan - N.J.A.C. 7:14B-9.5(a)4]

*"I certify under penalty of law that tank decommissioning activities were performed in compliance with N.J.A.C. 7:14B-9.2(b)3. I am aware that there are significant penalties for submitting false, inaccurate, or incomplete information, including fines and/or imprisonment."*

NAME (Print or Type) Mark Turoff SIGNATURE [Signature]  
COMPANY NAME All Service Environmental DATE 6/9/93  
(Performer of Tank Decommissioning)

IX. CERTIFICATIONS BY THE RESPONSIBLE PARTY(IES) OF THE FACILITY

A. The following certification shall be signed by the highest ranking individual with overall responsibility for that facility [N.J.A.C. 7:14B-2.3(c)1].

*"I certify under penalty of law that the information provided in this document is true, accurate, and complete. I am aware that there are significant penalties for submitting false, inaccurate, or incomplete information, including fines and/or imprisonment."*

NAME (Print or Type) Mr. James Ott SIGNATURE [Signature]  
COMPANY NAME U.S. Army, Fort Monmouth, DPW DATE 6/6/93

B. The following certification shall be signed as follows [according to the requirements of N.J.A.C. 7:14B-2.3(C)2]:

1. For a corporation, by a principal executive officer of at least the level of vice president.
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, State, Federal or other public agency by either the principal executive officer or ranking elected official.
4. In cases where the highest ranking corporate, partnership, governmental officer or official at the facility as required in A above is the same person as the official required to certify in B, only the certification in A need to be made. In all other cases, the certifications of A and B shall be made.

*"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false, inaccurate, or incomplete information, including fines and/or imprisonment."*

NAME (Print or Type) \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
COMPANY NAME \_\_\_\_\_ DATE \_\_\_\_\_

U.S. Army  
DEH Bldg. 167  
SELFM-EH-EV  
Fort Monmouth NJ 07703

Date: 16, April 1993  
Site: Bldg. 2624  
NJDEPE UST Reg. #: 0081515-34  
NJDEPE Case #: NONE

UNDERGROUND STORAGE TANK  
SITE ASSESSMENT SUMMARY  
"NO" OR "NA"  
EXPLANATIONS

NJDEPE FACILITY ID#: 0081515  
UST#: 34

US ARMY SUBSURFACE EVALUATOR: CHARLES APPLEBY  
NJDEPE CERTIFICATION NUMBER: 2056

REMOVAL CONTRACTOR: ALL SERVICE ENVIRONMENTAL INC.  
NJDEPE CERTIFICATION NUMBER: G3100194  
SITE CLOSURE SUPERVISOR: MARK TUROFF/ ALL SERVICE ENVIRO. INC.  
NJDEPE CERTIFICATION NUMBER: G0000107

III. DECOMMISSIONING OF TANK SYSTEMS:

The removal of this UST was directed as an emergency due to the proximity of the UST to the Petroleum Contaminated Soil Staging area. Due to the large amount of soil needing storage until sampling and analysis is complete, the pad needs to be extended. This UST was situated adjacent to the pad and the potential existed for damage to the UST during soil loading and unloading operations. Due to the delay time encountered by the department in obtaining funds and approvals, the UST was removed. All removal activities followed all applicable requirements.

IV: D. Was the vertical and horizontal extent of contamination determined? NO CONTAMINATION EXISTS

C. Results of well search.

No well search was required or needed. The facilities at Fort Monmouth are supplied with potable water by New Jersey / American Water Company.

D. Proximity of wells and contaminant plume. N/A

No plume is suspected to exist.

E. A plan for separate phase product recovery has been included. N/A

No free product is suspected to exist.

F. A ground water contour map has been submitted which includes the ground water elevations for each well. N/A

No free product is suspected to exist.

G. Delineation of contamination. N/A

No contamination is suspected to exist.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**MAZZA & SONS, INC.**

**Metal Recyclers  
 Auto and Truck  
 3230 Shatto Rd.  
 Tinton Falls, NJ  
 (908) 922-9292**

NO. \_\_\_\_\_

DATE 25.11.1297

Customer's Name ALL SERVICE ENVIRONMENTAL

Address \_\_\_\_\_

Make of  
 Autos

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Tires

Tank

Price:

1000 gal.

Tank # 34

On Hill Near

2624

20660 LB G

Weight

Price

Cast Iron

Steel

\$ 26.60

18220 LB G

Lt. Iron

Copper #1

Copper #2

Lt. Copper

Brass

Alum Clean

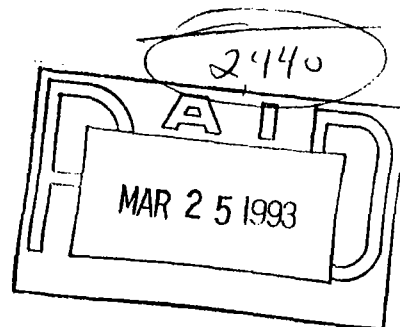
Lead

Stainless

Radiators

Battery

TOTAL AMOUNT:



**RECEIVED MAY 05 1993**

Weigher \_\_\_\_\_

Customer 1000 gal

Bldg. 2624

April 13, 1993

Sampled by C. APPEBY DEH-EV

UST # 0081515 - 34

Emergency Removal of ONE 1000 gal. STEEL #2 H-oil UST

- NO EVIDENCE OF DISCHARGE OBSERVED
- Weather Sunny + 60°F

FIGURE 3

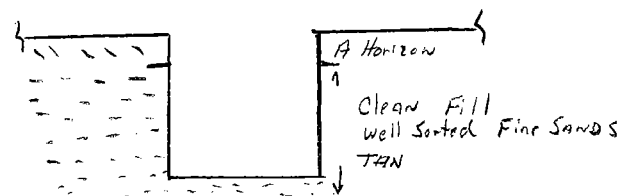
Bldg. 2624  
Concrete Slab

All Sidewall Samples

OVA Reading

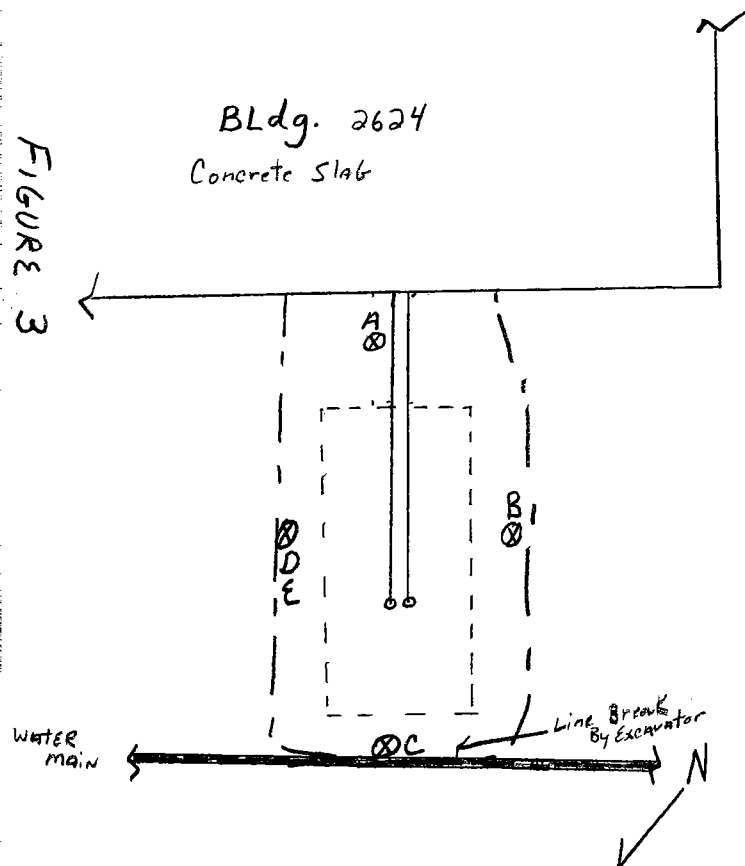
- A - NOT Detected
- B - "
- C - "
- D - "
- E - Duplicate of D

Scale - 1/8" = 1'



Excavation Section

Scale - 1/8" = 1'



--- UST

--- Excavation

⊗ - Sample Location - TPHC

NOTE - Excavation Filled with Water (broken water main)  
 No Sheen observed in hole, no pit bottom sample could be taken.  
 - OVA Fox. 1286C SN - A52114

Charles APPEBY-DEH-EV