

marked 1/26/93 CS

U.S. Army
DEH Bldg. 167
SELF-M-EH
Fort Monmouth, NJ 07703

DEH File Copy

Date: 26, JAN. 93
Building #: 2539
NJDEPE UST Reg. #: 0081515- 28 AND 64
CLOSURE APPROVALS #: C-92-3355/56

UNDERGROUND STORAGE TANK
CLOSURE AND SITE ASSESSMENT REPORT

DIRECTORATE OF ENGINEERING AND HOUSING
ENVIRONMENTAL
US ARMY, FORT MONMOUTH, NEW JERSEY

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FIGURES:

1. Site Location Scale Photo Plan 1" = 200'
2. Site Location Scale Photo Plan 1" = 50'
3. Scaled Site Diagram 1' = 1/4"

APPENDICES:

1. Standard Reporting Form
2. Hazardous Waste Manifest
3. Soil Analytical Summary
4. NJDEPE UST Site Assessment Summary Form (UST-014)
 and Explanation Statements
5. NJDEPE UST Closure Approval

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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. All permits including but not limited to the NJDEP Closure Plan Approval Package were posted on site for inspection.

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. The Site is the location of the CECOM Safety office which conducts all health and safety activities for the Command.

C. UST Excavation:

1. All underground obstructions (utilities,... etc.) were marked out by the U.S. Army.
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). No suspect soils were encountered.
4. Surface materials (ie. asphalt, concrete, etc...) were excavated and staged separate from all soils. These materials were transported to the T-72 Yard for later disposal.

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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 UST was rendered free of explosive vapors prior to any cutting or access. After the removal of the associated piping, a manway (3 ft. by 5 ft.) was made in the UST to allow for the proper cleaning of the UST. The UST was completely emptied and hand cleaned of all liquids and residual product prior to removal of the UST from the ground. All of the openings in the tank were plugged except for the manway.

6. After the 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 and upon the inspection of the excavation site no evidence of a discharge to the environment was found to exist. The NJDEP hotline was not notified.

8. After completion of the Site Assessment activities, the excavation was backfilled to grade with noncontaminated soils from the site and additional certified clean fill and compacted to grade.

D. UST Transport / Disposal:

1. The tank was transported by the contractor and recycled by :

The USTs were stored at Fort Monmouth awaiting disposal. On 18 January 1993 the USTs were transported 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: Charles Appleby
- c. NJDEP UST ID numbers:0081515-28 and 0081515-64
- d. product previously stored; HEATING OIL
- e. name of transporter/contract person:
MAZZA AND SONS INC. / Dominic Mazza
- f. destination site / contact person
MAZZA AND SONS INC. / Dominic Mazza

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E. Excavated Soils Management: NO SUSPECT SOILS WERE IDENTIFIED

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 soil.
2. All soils stored in the designated staging areas will be maintained in piles no larger than 100 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 a contract with All Service Environmental Inc. for the transport and disposal of all contaminated wastes derived from the UST removal activities.
5. All soils that contain levels of contaminants below the Category 3 soil limits were 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 U.S. Army DEH and Serv-Air Inc. personnel. All analyses were performed and reported by a NJDEP certified testing laboratory. All monitoring wells were installed by a NJDEP licensed well driller. 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.

Closure Contractor: U.S ARMY FORT MONMOUTH
Contact Person: Charles Appleby
Phone Number: (908) 532-6224

Subsurface Evaluator: 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 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) when the staged amount exceeds 100 cu.yds.. No suspect soils were observed

B. Continued Excavation:

1. Excavation of suspect contaminated soil continued until the following situation was encountered:
 - a. excavated soils no longer exhibit characteristics of contamination determined in the field as determined by the Sub-Surface Evaluator

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 PID evaluated the sides and pit bottom of the excavation. An Hnu HW-101 SN#270136 calibrated with 57ppm Span Gas for 10.2ev span set at 8.2 each morning.
2. All observed instrument readings were documented as follows: See attached drawing for sample locations.
ND = < 1.0 PPM

DATE	SITE #	FID READING	PID READING
11/30/92	A	NA	ND
11/30/92	B	NA	ND

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DATE	SITE #	FID READING	PID READING
11/30/92	C	NA	ND
11/30/92	D	NA	ND
11/30/92	F	NA	ND
11/30/92	G	NA	ND
11/30/92	H	NA	ND
11/30/92	J	NA	ND
12/01/92	A	NA	ND
12/01/92	B	NA	ND
12/01/92	C	NA	ND
12/01/92	D	NA	ND
12/01/92	F	NA	ND
12/01/92	G	NA	ND
12/01/92	H	NA	ND
12/01/92	J	NA	ND
12/01/92	K	NA	ND
12/01/92	L	NA	ND
12/01/92	M	NA	ND

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PHASE III
Site Sampling

A. SOIL SAMPLING:

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

SITE	TPHC mg/kg	% SOLID	SAMPLE DEPTH	SOIL TYPE
A ..	4.12 ..	93 ..	5 FEET ..	WELL SORTED FINE TAN SAND
B ..	3.37 ..	98 ..	5 FEET ..	WELL SORTED FINE TAN SAND
C ..	4.12 ..	93 ..	5 FEET ..	WELL SORTED FINE TAN SAND
D ..	18.70 ..	97 ..	5 FEET ..	WELL SORTED FINE TAN SAND
E ..	3.95 ..	97 ..	5 FEET ..	WELL SORTED FINE TAN SAND
F ..	3.99 ..	96 ..	6 FEET ..	WELL SORTED FINE TAN SAND
G ..	ND ..	98 ..	6 FEET ..	WELL SORTED FINE TAN SAND
H ..	ND ..	95 ..	8 FEET ..	WELL SORTED FINE TAN SAND
I ..	ND ..	96 ..	8 FEET ..	WELL SORTED FINE TAN SAND
J ..	ND ..	97 ..	8 FEET ..	WELL SORTED FINE TAN SAND
K ..	30.00 ..	90 ..	6 FEET ..	COAL CINDERS
L ..	6.91 ..	96 ..	8 FEET ..	WELL SORTED FINE TAN SAND
M ..	7.06 ..	94 ..	8 FEET ..	WELL SORTED FINE TAN SAND
N ..	14.80 ..	94 ..	8 FEET ..	WELL SORTED FINE TAN SAND

BLANKS: ND

NOTE: The complete listing of all results and the associated paperwork is attached. All Site Locations are identified and labeled on the attached Scaled Site Diagram.

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NO GROUND WATER ENCOUNTERED

2. All TPHC samples were taken in the native soil below the bedding material. The sample locations were along the mid-lines of the tank outline except for at least two of the samples which were taken within one foot of each of the two highest field survey readings. All of the soil samples were discrete samples taken within a 6" vertical interval. All TPHC samples were collected by utilizing laboratory decontaminated stainless steel trowels dedicated to each sample location. All VOA+15 samples were taken within 24 hours of UST excavation at a depth of 0-6 inches with the use of a laboratory decontaminated stainless steel core sampler. Each VOA+15 sample was screened with an FID and/or PID and recorded immediately after collection. Each referenced Site # directly correlates to the Site #'s on the attached drawing.

The vapor screening table lists the PID readings as observed at the time of sample collection.

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UST REMOVAL FIELD CHECK LIST

NJDEPE FACILITY ID#: 0081515
UST#: 28 AND 64
US ARMY SUBSURFACE EVALUATOR: CHARLES APPLEBY
NJDEPE CERTIFICATION NUMBER: 2056
REMOVAL CONTRACTOR: US ARMY FORT MONMOUTH
SITE CLOSURE SUPERVISOR: CHARLES APPLEBY
NJDEPE CERTIFICATION NUMBER: 2056

NJDEPE HOTLINE: (609) 292-7172 CALLED BY: NA
DATE: _____ TIME: _____ OPERATOR: _____ SITE#: _____

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

WEATHER: COLD APPROX. 45F, CLEAR SKIES
DATE: 11/30 AND 12/01/92 TOA: 0900 TOD: 1500

UST #	CONSTRUCTION	UST'S REMOVED		CONDITION (HOLIDAYS, ETC..)	PHOTO
		SIZE			
26	I STEEL SINGLE I	1000	I	GOOD SHAPE	I YES
64	I STEEL SINGLE I	550	I	GOOD SHAPE	I YES

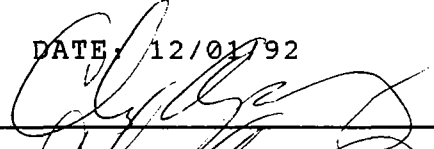
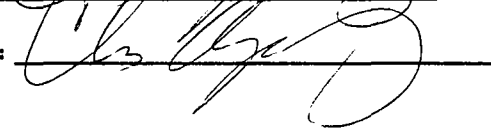
1. TYPE OF BACKFILL REMOVED AROUND TANKS:
TAN BUILDERS SAND AND COAL CINDERS
2. WAS WATER IN EXCAVATION? NO DEPTH TO WATER (FT.) NA
3. WAS FREE PRODUCT OBSERVED IN EXCAVATION? NO
4. VAC TRUCK, WASTE HAULER NAME AND TRUCK NUMBER: L&L OIL SERVICE
ABERDEEN NJ, EPA#NJDO11427895

5.

UST #	OIL/H2O GAL.	UST WASTE REMOVED			HAZ. SOILS DRUMS
		SLUDGE DRUMS	SOIL (ID27) CUYDS		
28	I 600	I NONE	I NONE	I NONE	
64	I 115	I NONE	I NONE	I NONE	
TOTALS:	715	I 0	I 0	I 0	

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6. WHO AUTHORIZED THE BACKFILL OF THE EXCAVATION? CHARLES APPLEBY
7. AMOUNTS OF BACKFILL USED: CLEAN FILL 51 CUYDS,
WASHED STONE 0 TONS
8. LOOSE ID27 WASTE SOILS WERE TRANSPORTED TO: NA
9. DRUMS OF HAZARDOUS WASTE WERE TRANSPORTED TO: NA
10. REMOVAL COMPLETED: TIME: 1200 HRS DATE: 12/01/92
11. SIGNATURE OF CLOSURE SUPERVISOR: 
12. SIGNATURE OF SUBSURFACE EVALUATOR: 



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.	_____

Sent to NJDEP 12/7/90 by
Bldg. 2539

STANDARD REPORTING FORM
for reporting activities at an UST facility:

- | | |
|--|---|
| ☐ General Facility Information Changes | ☐ Sale or Transfer |
| ☒ Closure (Abandonment or Removal) | ☐ Substantial Modification |
| ☐ Temporary Closure | ☐ Financial Responsibility |
| ☐ Change in Service | ☐ 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

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

U.S. Army Fort Monmouth
Charles Wood West
Fort Monmouth NJ 07703

3. Contact person for this activity:

Dinkerrai Desai
Telephone Number: (908) 532-6223

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

28 AND 64

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 removal - check all that apply):

- a. ☐ Abandonment Date / / 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: 12 10 1 92 Case No. N/A

Attach the necessary implementation schedule (3 copies). TMS# C-92-3356 AND C-92-33

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. <u> </u>	Old <u> </u>	New <u> </u>
Tank No. <u> </u>	Old <u> </u>	New <u> </u>
Tank No. <u> </u>	Old <u> </u>	New <u> </u>

(Attach additional sheets if more space is needed)

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

a. New Owner (operator)

b. New Facility Name

 NJ

 County Tele: () -

c. Closing Attorney

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

a. Type of Modification Date: / /

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: ☐ | d. Company/Carrier: ☐ |
| b. Policy Number: ☐ | e. Expiration Date: ☐ |
| c. Other: ☐ | |

(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 Ott

Name (print or type): Mr. James Ott

Title: Acting Director of Engineering and Housing Date: 12/7/92



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section

CN 028, Trenton, NJ 08625 *CS*

Please type or print in block letters. (Form designed for use on a light sensitive copy system)

Form Approved OMB No. 2051-0038 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <i>U.S. Army Communications Electronic Center MAIN Post (Radio House) FT. Monmouth</i>		1. Generator's US EPA ID No. <i>02810002057110316</i>		A. State Manifest Document Number NJA 1515316	
4. Generator's Phone (<i>908</i>) <i>532-5224</i>		6. US EPA ID Number <i>02703</i>		B. State Generator ID <i>02703</i>	
5. Transporter 1 Company Name <i>HL Oil Service</i>		7. US EPA ID Number <i>02810002057110316</i>		C. State Transporter ID <i>02810002057110316</i>	
8. Transporter 2 Company Name		9. US EPA ID Number		D. State Transporter ID	
9. Designated Facility Name and Site Address <i>HL Oil Service 2700 Hwy 40 Bordentown, NJ 07821</i>		10. US EPA ID Number <i>02703</i>		E. State Transporter ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers		13. Total Quantity	
		No.		Type	
a. <i>PETROLEUM OIL RES</i>					
b. <i>Combustible Liquid</i>					
c.					
d.					
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Materials Listed Above			
a. <i>FLAMMABLE</i>		a. <i>FLAMMABLE</i>			
b. <i>POISONOUS</i>		b. <i>POISONOUS</i>			
15. Special Handling Instructions and Additional Information <i>CEAL-46350</i> <i>TRC-27</i> <i>OPEN - 100 LBS - 2.5</i>		* <i>N300FE</i> <i>WT * 021510 - 28, 64</i> <i>Round</i>			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <i>Chas. J. DeH</i>		Signature <i>[Signature]</i>		Month Day Year <i>11/30/72</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Jeffrey T...</i>		Signature <i>[Signature]</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

NJA 1515316

Serv-Air, Inc.
A Subsidiary of E-Systems, Inc.
Environmental and Energy Laboratory
P.O. Box 369
Fort Monmouth, NJ 07703
908-532-6147

NJDEPE Certified Laboratory # 13461

Report of Analysis

Analysis by: Sarah J. Hubbard and Brian McKee

Project: #081515-64 + 28 TPHC
(Tank Removal at Building 2539, tanks 28 and 64)

Date Started: 11-30-92

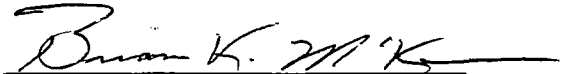
Date Complete: 12-01-92

Reviewed: 12-03-92

Revised: 12-22-92

Released: 12-23-92

By:



Brian K. McKee

Environmental and Energy Chief

Serv-Air, Inc.
A Subsidiary of E-Systems, Inc.
Environmental and Energy Laboratory
P.O. Box 369
Fort Monmouth, NJ 07703
908-532-6147

NJDEPE Certified Laboratory # 13461

Project: Bldg. 2539 Tank Removal
Sample Matrix: Soil
Parameter: Total Petroleum Hydrocarbon
Method: 418.1

Date: 12-02-92

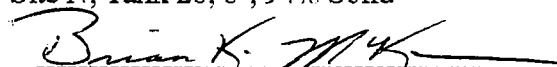
Sample ID	Rec'd	Extract	Anaylsis	Results (mg/Kg)	Detection Limit (mg/Kg)
C92-1075	11/30	12/01	12/01	4.12	3.3
C92-1076	11/30	12/01	12/01	5.35	3.3
C92-1077	11/30	12/01	12/01	4.12	3.3
C92-1078	11/30	12/01	12/01	18.7	3.3
C92-1079	11/30	12/01	12/01	3.95	3.3
C92-1080	11/30	12/01	12/01	3.99	3.3
C92-1081	11/30	12/01	12/01	ND	3.3
C92-1082	11/30	12/01	12/01	ND	3.3
C92-1083	11/30	12/01	12/01	ND	3.3
C92-1084	11/30	12/01	12/01	ND	3.3
C92-1085	11/30	12/01	12/01	30.0	3.3
C92-1086	11/30	12/01	12/01	6.91	3.3
C92-1087	11/30	12/01	12/01	7.06	3.3
C92-1088	11/30	12/01	12/01	ND	3.3
Blank	0/00	12/01	12/01	ND	3.3
Blank	0/00	12/01	12/01	ND	3.3

Notes: All results reported on a dry weight basis.

ND = not detected

C92-1075=Site A, Tank 64, 5', 93% Solid
C92-1076=Site B, Tank 64, 5', 98% Solid
C92-1077=Site C, Tank 64, 5', 93% Solid
C92-1078=Site D, Tank 64, 5', 97% Solid
C92-1079=Site E, Tank 64, 5', 97% Solid
C92-1080=Site F, Tank 28, 6', 96% Solid
C92-1081=Site G, Tank 28, 6', 98% Solid

C92-1082=Site H, Tank 28, 8', 95% Solid
C92-1083=Site I, Tank 28, 8', 96% Solid
C92-1084=Site J, Tank 28, 8', 97% Solid
C92-1085=Site K, Tank 64, 6', 90% Solid
C92-1086=Site L, Tank 28, 8', 96% Solid
C92-1087=Site M, Tank 28, 8', 94% Solid
C92-1088=Site N, Tank 28, 8', 94% Solid



Brian K. McKee
Laboratory Director

UST. REMOVAL.

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME					NO. OF CON- TAINERS	ANALYSIS CONTAINER TYPE						REMARKS
SAMPLERS:								TPH	Cp Solids					
SAMPLE NO.	DATE	TIME	COND	grab	SAMPLE LOCATION									
082-1075	11/30	1516		X	Site A 5' tank #64	1	X	X						PID hnu 370136 <1 ppm - (methane)
1076		1515		X	" "B 5' #64	1	X	X						" <1 ppm "
1077		1517		X	Site C 5' #64	1	X	X						" <1 ppm "
1078		1518		X	Site D 5' #64	1	X	X						" <1 ppm "
1079		1519		X	Site E 5' #64	1	X	X						" <1 ppm "
1080		1520		X	Site F 8' #28	1	X	X						" <1 ppm "
1081		1521		X	Site G 6' #28	1	X	X						" <1 ppm "
1082		1522		X	Site H 8' #28	1	X	X						" <1 ppm "
1083		1523		X	Site I 8' #28	1	X	X						" <1 ppm "
✓ 1084	✓	1524		X	Site J 8' #28	1	X	X						" <1 ppm "
Relinquished by: (Signature)		Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)			
Kochkovsky		11/30 1548												
Relinquished by: (Signature)		Date/Time		Received by: (Signature)			Relinquished by: (Signature)		Date/Time		Received by: (Signature)			
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature)			Date/Time		Remarks					
				S. Hubbard			11-30-92 3:48							

CHAIN OF CUSTODY RECORD

[illegible]



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 January 26, 1993

0081515-28,64
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. Tms-C-92-3355, 3356

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:

- North arrow and scale
- The locations of the ground water monitoring wells
- Location and depth of each soil sample and boring
- All major surface and sub-surface structures and utilities
- Approximate property boundaries
- All existing or closed underground storage tank systems, including appurtenant piping
- A cross-sectional view indicating depth of tank, stratigraphy and location of water table
- Locations of surface water bodies

C. Soil samples and borings (check appropriate answer)

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

D. Ground Water Monitoring NA

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. 30 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 X Yes No
 2. Free product contaminated soils are suspected to exist below the water table Yes X No
 3. Free product contaminated soils are suspected to exist off the property boundaries. Yes X No
- D. Was the vertical and horizontal extent of contamination determined? Yes No X N/A
- E. Does soil contamination intersect ground water? Yes No X N/A

VI. GROUND WATER CONTAMINATION

- A. Was ground water contamination found? Yes No X 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. NA ppb total BTEX, NA ppb total non-targeted VOC
2. NA ppb total B/N, NA ppb total non-targeted B/N
3. NA ppb total MTBE, NA ppb total TBA
4. NA ppb NA (for non-petroleum substance)
5. greatest thickness of separate phase product found NA
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 X 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*

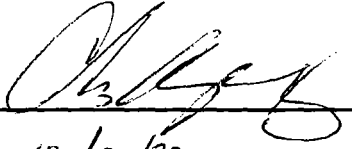
G. Delineation of contamination *N/A*

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 12/21/92
(Preparer of Site Assessment Plan)

CERTIFYING ORGANIZATION NTDEPE 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) Charles W. Apple SIGNATURE [Signature]
COMPANY NAME U.S. Army Fort Monmouth DATE 12/21/92
(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 CTT SIGNATURE [Signature]
COMPANY NAME U.S. Army Fort Monmouth DATE January 26, 1993

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) N/A SIGNATURE _____
COMPANY NAME _____ DATE _____

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

Date: 26, JAN. 93
Building #: 2539
NJDEPE UST Reg. #:0081515- 28 AND 64
CLOSURE APPROVALS #:C-92-3355/56

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

NJDEPE FACILITY ID#: 0081515
UST#: 28 AND 64
US ARMY SUBSURFACE EVALUATOR: CHARLES APPLEBY
NJDEPE CERTIFICATION NUMBER: 2056
REMOVAL CONTRACTOR: US ARMY FORT MONMOUTH
SITE CLOSURE SUPERVISOR: CHARLES APPLEBY
NJDEPE CERTIFICATION NUMBER: 2056

II. A. Was contamination found? No.

No contamination was observed within the excavation or indicated by laboratory analysis of soil samples. No discharge was found therefore none was reported.

IV. D. Ground Water Monitoring

No ground water monitoring was required or needed.

V. A. Was soil contamination found? No

No contamination was observed within the excavation or indicated by laboratory analysis of soil samples. No discharge was found therefore none was reported.

B. Soil samples were analyzed for TPHC only.

C. Free product contaminated soils are suspected to exist below the water table? No

No free product was observed within the excavation therefore no free product contamination is suspected to exist below the water table. No ground water monitoring was conducted to validate this statement.

D. Was the vertical and horizontal extent of contamination determined? N/A

No free product was observed within the excavation therefore no free product contamination is suspected to exist.

E. Does soil contamination intersect ground water? N/A

No free product was observed within the excavation therefore no free product contamination is suspected to intersect ground water.

U.S. Army
DEH Bldg. 167
SELF-M-EH
Fort Monmouth, NJ 07703

Date: 26, JAN. 93
Building #: 2539
NJDEPE UST Reg. #:0081515- 28 AND 64
CLOSURE APPROVALS #:C-92-3355/56

VI. A. Was ground water contamination found? N/A

No ground water monitoring was required or needed therefore no data exists to document the existence or absence.

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.

UNDERGROUND STORAGE TANK SYSTEM CLOSURE APPROVAL

Bldg. 2539
TANK # 28

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF UNDERGROUND STORAGE TANKS
CN-029, TRENTON, NJ 08625-0029

TMS # C-92-3355

UST # 0081515 -28

US Army Ft. Monmouth
DEH Bldg. 167
Ft. Monmouth, NJ

(Monmouth)

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: one 1,000 gallon #2 fuel oil UST and appurtenant
piping.

SITE ASSESSMENT: Soil samples will be taken every five (5) feet
along the center line of each tank and one (1) soil sample for
every 15 feet along all associated piping. Two (2) additional
samples will be taken from around the tank and biased to the areas
of highest field screened readings. Samples will be analyzed for
TPHC. If sample results are greater than 1,000ppm than samples
will be analyzed for VO+10.

Dinkerrai Desai

908-532-1475

ON-SITE MANAGER:

TELEPHONE:

OWNER:

TELEPHONE:

October 7, 1992

EFFECTIVE DATE:

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED
ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.

Michael S Kelly (for)

KEVIN F. KRATINA, ACTING BUREAU CHIEF
BUREAU OF UNDERGROUND STORAGE TANKS

UNDERGROUND STORAGE TANK SYSTEM CLOSURE APPROVAL

Bldg 2934
Tank #64

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF UNDERGROUND STORAGE TANKS
CN-029, TRENTON, NJ 08625-0029

TMS # C-92-3356

UST # 0081515 -64

US Army Ft. Monmouth
DEH Bldg. 167
Ft. Monmouth, NJ

(Monmouth)

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.:
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piping.

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along the center line of each tank and one (1) soil sample for
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of highest field screened readings. Samples will be analyzed for
TPHC. If sample results are greater than 1,000ppm than samples
will be analyzed for VO+10.

Dinkerrai Desai

908-532-1475

ON-SITE MANAGER:

TELEPHONE:

OWNER:

TELEPHONE:

October 7, 1992

EFFECTIVE DATE:

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED
ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.

Michael S Kelly (for)

KEVIN F. KRATINA, ACTING BUREAU CHIEF
BUREAU OF UNDERGROUND STORAGE TANKS