



DEPARTMENT OF THE ARMY

HEADQUARTERS, U.S. ARMY GARRISON FORT MONMOUTH

FORT MONMOUTH, NEW JERSEY 07703-5101



August 26, 2009

From: Howard M. Syvarth, TVS Hydrogeologist  
To: UST file  
Subject: UST Closure Reports for Building 707/Tank Registration #: 81533-226

Enclosed are the file review sheets for the closure of the Underground Storage Tank(s) (USTs) located at the above referenced location. The UST was removed on May 13, 1994, and assigned a DICAR number of 94-05-13-0932-29.

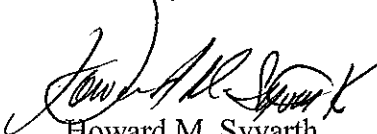
The monitoring wells associated with this site are part of the IRP site program. The wells will also be used as part of the Area 700 regional groundwater study.

All supporting documentation for the closure of this site can be found in the UST folder located in the library archive in Bldg. 173, Directorate of Public Works, US Army Garrison Fort Monmouth, New Jersey.

Any questions regarding the information found in this or any other UST folder should be directed to:

Howard M. Syvarth  
TECOM-Vinnell Services (TVS)  
Staff Hydrogeologist, UST program  
Directorate of Public Works, Ft. Monmouth, NJ  
Email: [Howard.M.Syvarth@us.army.mil](mailto:Howard.M.Syvarth@us.army.mil)

Sincerely,

  
Howard M. Syvarth  
TVS Staff Hydrogeologist

Mr. Charles Appleby  
Subsurface Evaluator NJDEP #9974  
Environmental Protection Specialist  
Directorate of Public Works

# Fort Monmouth Underground Storage Tank Assessment Questionnaire

Site Name: 707 -

Is the UST Residential: NO

There is / are \_\_\_\_\_ UST(s) located at this site.

CASE STATUS: Case Closed

NFA ISSUED: 8/29/2000

File Review Date: 10/8/08

By: Howard Squarish

This NJDEP UST Registration # is: 81533 - 226 to \_\_\_\_\_

This UST was 1000 Gallons in size, was made of STEEL and contained #2 FUEL OIL.

The UST was installed in \_\_\_\_\_ and removed by CUTE INC. \$349.14 \_\_\_\_\_ on

5/13/1994 \_\_\_\_\_. A Standard Reporting Form was sent to the NJDEP on DEP RCVD \_\_\_\_\_.

NJDEP Closure # NONE \_\_\_\_\_

Subsurface Evaluator: C. Appleby \_\_\_\_\_ NJDEP # \_\_\_\_\_

A Site Investigation Report was completed by SMC \_\_\_\_\_ and submitted to the NJDEP on 6/1/2000 \_\_\_\_\_.

The Current Status is: Removed; Report Submitted/Not Nec.

The Revised Status as of \_\_\_\_\_ completed by \_\_\_\_\_ is:

The Current UST Database Comments are: Highest TPHC was 13900 mg/kg. Site remediated to highest TPHC at sidewall, 6 inches above groundwater of 11.1 mg/kg. 2400 gallons of groundwater vacuumed out of excavation. Needs RI. Groundwater samples were all clean. Closure Report submitted to NJD

The Revised Comments as of 10/8/08 completed by Howard Squarish is:

new part of IRP

Database updated on \_\_\_\_\_ by \_\_\_\_\_.

Remedial Phases: [ ] PA [ ] SI [ ] RI [ ] RAW [ ] CEA [ ] NFA

Project transferred to the Fort Monmouth Restoration Program

Project # FTMM- \_\_\_\_\_

# Fort Monmouth Underground Storage Tank Assessment Questionnaire

1. Has the property been or is the property currently the subject of any remediation with NJDEP oversight?  Yes [ ] No

If Yes, provide the following:

Case Number 94-5-13-0932-29

Case Lead (US Army) Appleby

Case Manager (NJDEP) CURTIS

Case Status Data base " *Case Closed* ", As of this date: 8/29/00

2. Was a Preliminary Assessment (PA) performed in accordance with N.J.A.C. 7: 26E-3.1? [ ] Yes  No

3. Were any Areas of Concern (AOCs) identified?  Yes [ ] No  
If yes proceed to question 4. If no, proceed to Check List (page 8).

4. Were any potentially contaminated AOCs identified?  Yes [ ] No  
List and describe all **potentially contaminated** AOCs.

UST Area  Underground Piping Area  Dispenser Area [ ] UST Fill Area

5. List and describe all AOCs subject to the 7:26E Regulations.  
UST Area  Underground Piping Area  Dispenser Area [ ] UST Fill Area

6. Was a discharge of a hazardous substance, contaminant or pollutant identified?  Yes [ ] No

If so, was the discharge to: (check all that apply)

Soil [ ] Ground Water [ ] Surface Water [ ] Ecologically Sensitive Area [ ]

Other [ ] (specify) \_\_\_\_\_

# Fort Monmouth Underground Storage Tank Assessment Questionnaire

7. How was the discharge identified? (check all that apply)

Sample Analysis [ ]    Olfactory     Visual     Record/ Loss of Product [ ]    Field Analysis [ ]  
Other [ ] (specify) \_\_\_\_\_

8. What was the source of the discharge?

UST Area     Underground Piping Area [ ]    Dispenser Area [ ]    UST Fill Area [ ]  
\_\_\_\_\_

9. Were any of the following conditions present? (Check all that apply.)

Soil Staining     Distressed or Dead Vegetation [ ]    Product Entering Storm Sewer [ ]  
Product Entering Basement [ ]    Off-site Migration [ ]    Product Observed on Surface Water [ ]  
Other [ ] (specify) \_\_\_\_\_

10. Were samples collected in accordance with the provisions of N.J.A.C. 7:26E and the Department's applicable Field Sampling Procedures Manual?

Yes    [ ] No

TPHC     VOA+10 [ ]    BN+15 [ ]    lead [ ]    PP+40 [ ]

Other: \_\_\_\_\_

11. Were soil samples collected at the appropriate depth as per N.J.A.C. 7:26E

Yes    [ ] No

12. Were samples biased toward the most contaminated areas using field Instruments and/or visual and olfactory observations?

Yes    [ ] No

How was this accomplished? \_\_\_\_\_

13. If only TPHC samples taken, were samples >1000mg/kg run for VOA+10?

[ ] Yes     No

*all soils < 1,000 ppm*

14. Was the vertical and horizontal extent of soil contamination delineated prior to remediation?

[ ] Yes     No

Explain: \_\_\_\_\_  
\_\_\_\_\_

# Fort Monmouth Underground Storage Tank Assessment Questionnaire

15. Fully describe the method of remediation?

Source Removal and Disposal [ ] Free Product removal by Vacuum Truck [ ]

Other: \_\_\_\_\_

16. If excavation was performed, what was the depth of the bottom of the excavation? 7 feet.

17. What is the approximate depth to saturated zone (seasonally high water table)? 7.5 feet.

How was this determined? Observed Measurement [ ] Monitoring Well [ ]

Other: \_\_\_\_\_

18. Is the Site Tidally Impacted? [ ] Yes [ ] No

19. What is the percentage of silt/clay in the soil between the contaminant and the saturated zone?

\_\_\_\_\_. How was this determined? \_\_\_\_\_

Not Available

20. Was ground water present in the excavation? [ ] Yes  No

If yes, was there a sheen observed on ground water? [ ] Yes  No

21. Are there any Public Supply Wells within 2,000 feet of confirmed soil contamination? [ ] Yes  No

How was this determined? Well Search : [ ] \_\_\_\_\_

22. Was contaminated soil removed from the site?  Yes [ ] No

How much soil was removed? 110 tons/cubic yards (circle one)

To what facility was the soil taken? on-site storage / off-site disposal

Date taken: \_\_\_\_\_

23. Were the analytical results for all soil post excavation/remediation samples below the Department's ~~June~~ 2008 residential soil cleanup criteria?  Yes [ ] No

Sept.

# Fort Monmouth Underground Storage Tank Assessment Questionnaire

If No, describe in detail in Comments Page 6

22. Was this an investigation pertaining to a non-regulated heating oil tank?  ]Yes  ]No  
**Fort Monmouth Database : : NO**  
**If yes, complete the following, If no go to 23**

Do on-site structures have a basement/crawl space?  ]Yes  ]No

Was staining observed on the basement/crawl space walls or floor?  ]Yes  ]No  ]NA

Were petroleum odors observed in the basement/crawl space?  ]Yes  ]No  ]NA

Is a sump present in the basement/crawl space?  ]Yes  ]No  ]NA

**If yes, please indicate location on site map.**

Was water observed in the sump?  ]Yes  ]No  ]NA

Was a sheen observed on the water in sump?  ]Yes  ]No  ]NA

If there was no water in the sump was the base of the sump investigated for a petroleum discharge?  ]Yes  ]No  ]NA

If the sump was investigated, was a discharge observed?  ]Yes  ]No  ]NA

23. Is a regulated underground storage tank the subject of the remediation?  ]Yes  ]No

**If yes, complete the following, If no, go to 24**

Was a closure approval or 14 day notification obtained prior to the closure of the tank?  ]Yes  ]No

List Closure Approval/Notification Numbers NJDEP Closure # **NONE** \_\_\_\_\_

Was the closure or any remediation performed by an individual and firm certified in closure and subsurface evaluation?  ]Yes  ]No

**Subsurface Evaluator: C. Appleby** \_\_\_\_\_

Individual certification number: \_\_\_\_\_

Firm certification number: \_\_\_\_\_

Was an Underground Storage Tank Facility Certification Questionnaire completed and submitted "delisting" the subject tanks?  ]Yes  ]No

24. Was a Baseline Ecological Evaluation conducted pursuant to N.J.A.C 7:26E?  ]Yes  ]No

If No, was the BEE a regulatory requirement at the time?  ]Yes  ]NA  
 (UST removed prior to 1997 or the UST is Residential?)

If Yes, is there a contaminant of concern present?  ]Yes  ]No

# Fort Monmouth Underground Storage Tank Assessment Questionnaire

- Are there environmentally sensitive natural resources within or surrounding the property?  Yes [ ] No
- Are there potential contaminant migration pathways present?  Yes [ ] No
- Were potential ecological impacts identified?  Yes [ ] No
- Is a BEE planned to be completed for this site? [ ] Yes [ ] No
25. Was the site restored in accordance to N. J.A.C. 7:26E-6.4(b)?  Yes [ ] No
26. Was the remedial investigation/action report prepared in accordance with N.J.A.C. 7:26E?  Yes [ ] No
27. Remediation completed date: \_\_\_\_\_
28. Are there currently, or have there ever been, any Deed Notices or Declarations of Environmental Restriction pursuant to N.J.S.A. 58:10B-1 et seq. and N.J.A.C. 7:26E-1 et seq. for the Site? [ ] Yes  No  
**If yes, Attach a copy of the Deed Notice or Declaration of Environmental Restriction.**
29. Has NJDEP ever issued a no further action letter ("NFA") for any portion of the Site?  Yes [ ] No  
**NFA ISSUED: 8/29/2000**
- If Yes, in accordance with N.J.S.A. 58:10B-13(e), is there an order of magnitude difference between the currently applicable remediation standard or criterion and the contaminant level approved under such previously issued NFA?** [ ] Yes  No
31. Subcontractors employed during the investigation/remediation (list all):  
Name/Address: CUTE INC. \$349.14  
Name/Address: SMC  
Name/Address: \_\_\_\_\_  
Name/Address: \_\_\_\_\_  
Name/Address: \_\_\_\_\_

COMMENTS:

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# Fort Monmouth Underground Storage Tank Assessment Questionnaire

Site Investigation - Remedial Investigation/Action Report Checklist: DATE: \_\_\_\_\_

- Soil Contamination currently exists on site  Yes  No  N/A
- GW Contamination currently exists on site  Yes  No  N/A
- Contaminated Soil Disposal Receipt (fully executed manifest)  Yes  No  N/A
- Tank Disposal Certificate  Yes  No  N/A
- Tank Contents Disposal Receipt (fully executed manifest)  Yes  No  N/A
- Fill was "certified clean" in accordance with N.J.A.C.7:26E-6.4  Yes  No  N/A
- Scaled site map with AOCs and north arrow  Yes  No  N/A
- Sample Results Summary Tables (N.J.A.C.7:26E-4.8)  Yes  No  N/A
- Laboratory was certified to perform the required tests  Yes  No  N/A
- Chain of Custody forms submitted  Yes  No  N/A
- Signed laboratory deliverables checklist and Non-Conformance Summaries submitted  Yes  No  N/A
- Problems identified in the laboratory deliverables checklist and Non-Conformance summaries  Yes  No  N/A
- Holding times were met for all analyses  Yes  No  N/A
- MDLs below most stringent soil cleanup criteria  Yes  No  N/A
- Laboratory sample summary submitted  Yes  No  N/A
- QA/QC package (reduced deliverables) submitted  Yes  No  N/A
- VOC soil samples methanol preserved (sample weights included)  Yes  No  N/A
- Electronic data package (home heating oil tanks exempt)  Yes  No  N/A
- Well search submitted  Yes  No  N/A
- Baseline Environmental Evaluation (home heating oil tanks exempt)  Yes  No  N/A
- Closure approval notification enclosed  Yes  No  N/A
- No Further Action letter(s) enclosed  Yes  No  N/A