



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 261B/Tank Registration #: 81533

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 5, 1999, and assigned a DICAR number of 99-05-05-1536-15.

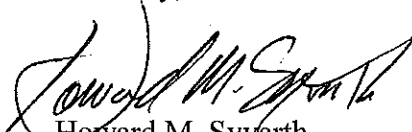
After performing a file review to include submittals to NJDEP, I have determined that the tank closure and the subsequent report meet the minimum requirements established by NJDEP and as such are considered to be closed by both NJDEP and the Directorate of Public Works, US Army Garrison Fort Monmouth.

This document serves as the official site closure. All supporting documentation for the closure of this site can be found in the UST folder located in the library archive in Bldg. 173, 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: 261 - B

Is the UST Residential: YES

There is / are 1 UST(s) located at this site.

CASE STATUS: Case Closed

NFA ISSUED: 1/10/2003

File Review Date: 11/14/08

By: HOWARD SYMARSK

This NJDEP UST Registration # is: 81533 - 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 TVS \_\_\_\_\_ on 5/5/1999 \_\_\_\_\_. A Standard Reporting Form was sent to the NJDEP on \_\_\_\_\_. NJDEP Closure # Fed. Case Mgr. \_\_\_\_\_

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

A Site Investigation Report was completed by \_\_\_\_\_ and submitted to the NJDEP on 3/5/2002 \_\_\_\_\_.

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 5-5-99 >3000 ppm. Additional samples required. Residential UST with DICAR; all analytical results in compliance with NJDEP standards. No Closure Report required; Letter Report to close out DICAR submitted to NJDEP on 03/05/02.

The Revised Comments as of 11/14/08 completed by HOWARD SYMARSK is:

Copy of Report submitted to NJDEP not in file. Soil data all < 1,000 ppm. No indication as to the volume of soil necessary for removal, tank, manifest etc.

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 99-05-05-1536-15

Case Lead (US Army) D. Desai

Case Manager (NJDEP) I. Curtis

Case Status Data base " *Case Closed* ", As of this date: 1/10/03

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 samples < 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)? 77 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? \_\_\_\_\_ tons/cubic yards (circle one)

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

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

23. Were the analytical results for all soil post excavation/remediation samples below the Department's <sup>June</sup> 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 : : YES**  
**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 # **Fed. Case Mgr.** \_\_\_\_\_

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: 5/13/99
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: 1/10/2003**
- 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: TVS
- Name/Address: \_\_\_\_\_
- 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       ]NA
- GW Contamination currently exists on site  ]Yes       ]No       ]NA
- Contaminated Soil Disposal Receipt (fully executed manifest)  ]Yes       ]No       ]NA
- Tank Disposal Certificate  ]Yes       ]No       ]NA
- Tank Contents Disposal Receipt (fully executed manifest)  ]Yes       ]No       ]NA
- Fill was "certified clean" in accordance with N.J.A.C.7:26E-6.4  ]Yes       ]No       ]NA
- Scaled site map with AOCs and north arrow  ]Yes       ]No       ]NA
- Sample Results Summary Tables (N.J.A.C.7:26E-4.8)  ]Yes       ]No       ]NA
- Laboratory was certified to perform the required tests  ]Yes       ]No       ]NA
- Chain of Custody forms submitted  ]Yes       ]No       ]NA
- Signed laboratory deliverables checklist and Non-Conformance Summaries submitted  ]Yes       ]No       ]NA
- Problems identified in the laboratory deliverables checklist and Non-Conformance summaries  ]Yes       ]No       ]NA
- Holding times were met for all analyses  ]Yes       ]No       ]NA
- MDLs below most stringent soil cleanup criteria  ]Yes       ]No       ]NA
- Laboratory sample summary submitted  ]Yes       ]No       ]NA
- QA/QC package (reduced deliverables) submitted  ]Yes       ]No       ]NA
- VOC soil samples methanol preserved (sample weights included)  ]Yes       ]No       ]NA
- Electronic data package (home heating oil tanks exempt)  ]Yes       ]No       ]NA
- Well search submitted  ]Yes       ]No       ]NA
- Baseline Environmental Evaluation (home heating oil tanks exempt)  ]Yes       ]No       ]NA
- Closure approval notification enclosed  ]Yes       ]No       ]NA
- No Further Action letter(s) enclosed  ]Yes       ]No       ]NA