



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 271/Tank Registration #: 81533-55

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 June 9, 1994, and assigned a DICAR number of 943-06-09-1612-21.

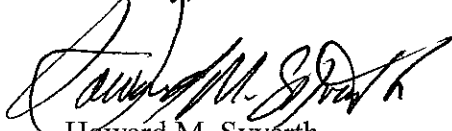
After performing a file review to include submittals to NJDEP, I have determined that the tank closure and the subsequent report meet the minimum requirements established by NJDEP and as such are considered to be closed by both NJDEP and the Directorate of Public Works, US Army Garrison Fort Monmouth.

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

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: 271 -

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: *11/3/08*

By: *Howard Syme*

This NJDEP UST Registration # is: *81533 - 55* to _____

This UST was *3000* Gallons in size, was made of *STEEL* and contained *#2 FUEL OIL*.

The UST was installed in *1934* and removed by *CUTE INC.* on *6/9/1994*. A

Standard Reporting Form was sent to the NJDEP on *6/10/94*. NJDEP Closure # *C93-3183*

Subsurface Evaluator: *C. Appleby* NJDEP # _____

A Site Investigation Report was completed by *SMC* and submitted to the NJDEP on *5/15/2002*.

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=1269 mg/kg on 6/9/94. Hole backfilled. Encountered groundwater. Need groundwater sampled. GEO-GW completed; groundwater samples in compliance with NJDEP standards. Needs one more soil VOC sample, and report needs to be completed. Analyti*

The Revised Comments as of _____ completed by _____ is:

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 94-6-9-1612-21

Case Lead (US Army) C. Appleby

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

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

Yes No

Explain: Upon removal of tank stained soils
observed, removed ~~and~~ until clean

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? ~ 8 feet.

17. What is the approximate depth to saturated zone (seasonally high water table)? 10.5 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? 100 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 ~~June~~ Sept. 2008 residential soil cleanup criteria? Yes No

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 # C93-3183
 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: 11/13/98
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: CUTE INC.
Name/Address: SMC
Name/Address: _____
Name/Address: _____
Name/Address: _____

COMMENTS:

Fort Monmouth Underground Storage Tank Assessment Questionnaire

Site Investigation - Remedial Investigation/Action Report Checklist: DATE: _____

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