



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 276/Tank Registration #: 90010-23

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 21, 1996, and assigned a DICAR number of 96-06-21-1331-05.

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: 276 -

Is the UST Residential: NO

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

CASE STATUS: *Case Closed*

NFA ISSUED: *10/23/2000*

File Review Date: *11/5/08*

By: *Howard Synn*

This NJDEP UST Registration # is: *90010 - 23* to _____

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

The UST was installed in *1934* and removed by *TVS* on *6/21/1996*. A Standard Reporting Form was sent to the NJDEP on _____. NJDEP Closure # *Fed. Case Mgr.*

Subsurface Evaluator: *E. Lesinski* NJDEP # _____

A Site Investigation Report was completed by _____ and submitted to the NJDEP on *9/11/2000*.

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

The Revised Status as of _____ completed by _____ is:

The Current UST Database Comments are: *SAI inspected UST, and left 168 gallons of waste in UST, 9-13-94. Closure Report submitted to NJDEP 09/11/00. NJDEP Closure Approval Letter dated 10/23/00.*

The Revised Comments as of *4/5/08* completed by *Howard Synn* is:

all appears to be in order

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 96-6-21-1331-05

Case Lead (US Army) E. Hesinski

Case Manager (NJDEP) J. Curtis

Case Status Data base "Case Closed", As of this date: 1/23/00

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 samples < 1,000 ppm

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

Yes No

Explain: *soils removed based on visual impact*

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? 480 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 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 # 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: E. Lesinski _____

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: 10/21/96

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: 10/23/2000

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: TVS

Name/Address:

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