



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 2567D/Tank Registration # 81515-66

Enclosed are the file review sheets for the closure of the Underground Storage Tank(s) (USTs) located at the above referenced location. The tank was removed in October of 2008 without incident.

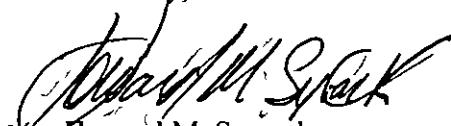
After performing a file review, I have determined that the tank closure and the subsequent report meet the minimum requirements established by NJDEP and as such are considered to be closed by both NJDEP and the Directorate of Public Works, US Army Garrison Fort Monmouth.

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



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 2567D/Tank Registration # 81515-67

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DEPARTMENT OF THE ARMY

HEADQUARTERS U S ARMY GARRISON FORT MONMOUTH
FORT MONMOUTH NEW JERSEY 07703-5101



August 26 2009

From Howard M Svvarth TVS Hydrogeologist
To UST file
Subject UST Closure Reports for Building 2567D/Tank Registration # 81515-68

Enclosed are the file review sheets for the closure of the Underground Storage Tank(s) (USTs) located at the above referenced location. The tank was removed in October of 2008 without incident.

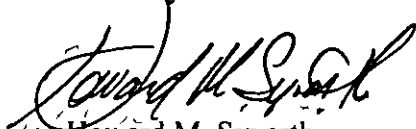
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TECOM Vinnell Services (TVS)
Staff Hydrogeologist, UST program
Directorate of Public Works, Ft Monmouth NJ
Email Howard.M.Svvarth@us.army.mil

Sincerely


Howard M Svvarth
TVS Staff Hydrogeologist

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

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION 2567 D *NJDEP REG ID* 81515 66
RESIDENTIAL? NO

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS) 10000 *CONSTRUCTION* 2XFRP
PRODUCT GASOLINE *YEAR INSTALLED* 1993

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE 10/10/2008 *REMOVAL CONTRACTOR* TVS
SRF SEND DATE 10-21-08 *TMS* N08-6507
DICAR NO 91-8-27-1414 *LEAK DETECT* Veeder-Root 350 removed
REMEDICATION COMMENTS Old UST leak under remediation 7 MWs for site
REGISTRATION COMMENTS Completed UST questionnaire sent to NJDEP 10-21-08 to delist UST
SAS DONE *CONSULTANT*
MW_s NEEDED *MONITORING WELLS*
SUB-SURFACE EVALUATOR F Accorsi

CURRENT UST STATUS

UST STATUS REMOVED CLEAN SITE SAS REQ *CASE STATUS* Case Open
SUBMITTAL DATE *APPROVAL DATE*

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION 2567 D *NJDEP REG ID* 81515 67
RESIDENTIAL? NO

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS) 10000 *CONSTRUCTION* 2XFRP
PRODUCT GASOLINE *YEAR INSTALLED* 1993

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE 10/15/2008 *REMOVAL CONTRACTOR* TVS
SRF SEND DATE 10 21 08 *TMS* N08-6507
DICAR NO 91-8-27 1414 *LEAK DETECT* Veeder-Root 350, removed
REMEDIAION COMMENTS See 81515 66
REGISTRATION COMMENTS Completed UST questionnaire sent to NJDEP 10-21 08 to delist UST
SAS DONE *CONSULTANT* WESTON
MWs NEEDED *MONITORING WELLS*
SUB-SURFACE EVALUATOR F Accorsi

CURRENT UST STATUS

UST STATUS REMOVED CLEAN SITE SAS REQ *CASE STATUS* Case Open
SUBMITTAL DATE *APPROVAL DATE*

Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION 2567 D *NJDEP REG ID* 81515 68
RESIDENTIAL? NO

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS) 10000 *CONSTRUCTION* 2XFRP
PRODUCT GASOLINE *YEAR INSTALLED* 1993

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE 10/16/2008 *REMOVAL CONTRACTOR* TVS
SRF SEND DATE 10 21 08 *TMS* N08 6507
DICAR NO 91-8-27 1414 *LEAK DETECT* Veeder Root 350, removed
REMEDICATION COMMENTS See 81515 66
REGISTRATION COMMENTS Completed UST questionnaire sent to NJDEP 10-21-08 to delist UST
SAS DONE *CONSULTANT* WESTON
MW's NEEDED *MONITORING WELLS* 0
SUB-SURFACE EVALUATOR F Accorsi

CURRENT UST STATUS

UST STATUS REMOVED CLEAN SITE SAS REQ *CASE STATUS* Case Open
SUBMITTAL DATE *APPROVAL DATE*

Fort Monmouth Underground Storage Tank Assessment Questionnaire

Site Name 2567 - D

Is the UST Residential NO

There is / are 3 UST(s) located at this site

CASE STATUS <i>In Use removed/pending</i>
NFA ISSUED
File Review Date <u>2/17/09</u>
By <u>Howard Syvirth</u>

This NJDEP UST Registration # is 81515 - 66 to UB

This UST was 10000 Gallons in size, was made of 2XFRP and contained GASOLINE

The UST was installed in 1993 _____ and removed by STAYS _____ on _____ A Standard Reporting Form was sent to the NJDEP on _____ NJDEP Closure # _____

Subsurface Evaluator C Appleby _____ NJDEP # _____

A Site Investigation Report was completed by WESTON _____ and submitted to the NJDEP on _____

The Current Status is ~~IN USE~~ *Removed 10/08*

The Revised Status as of _____ completed by HOWARD Syvirth is case open no release noted/observed

The Current UST Database Comments are *Old UST leak under remediation 7 MWs for site*

The Revised Comments as of 2/17/09 completed by HOWARD Syvirth is - tank removed October 2008 NO discharge report pending upon submittal to NJDEP samples are ND (VOA)

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

Site Name 2567 - D

Is the UST Residential NO

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

CASE STATUS In Use <i>Removed</i>
NFA ISSUED
File Review Date _____
By _____

This NJDEP UST Registration # is 81515 - 67 to 108

This UST was 10000 Gallons in size, was made of 2XFRP and contained GASOLINE

The UST was installed in 1993 _____ and removed by STAYS _____ on _____ A Standard Reporting Form was sent to the NJDEP on _____ NJDEP Closure # _____

Subsurface Evaluator C Appleby _____ NJDEP # _____

A Site Investigation Report was completed by WESTON _____ and submitted to the NJDEP on _____

The Current Status is ~~In Use~~ *Removed*

The Revised Status as of _____ completed by _____ is

The Current UST Database Comments are See 81515 66

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

Site Name 2567 - D

Is the UST Residential NO

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

CASE STATUS <i>In Use removed</i>
NFA ISSUED
File Review Date _____
By _____

This NJDEP UST Registration # is 81515 - 68 to 108

This UST was 10000 Gallons in size, was made of 2XFRP and contained GASOLINE

The UST was installed in 1993 _____ and removed by STAYS _____ on _____ A Standard Reporting Form was sent to the NJDEP on _____ NJDEP Closure # _____

Subsurface Evaluator C Appleby _____ NJDEP # _____

A Site Investigation Report was completed by WESTON _____ and submitted to the NJDEP on _____

The Current Status is ~~IN USE~~ *removed*

The Revised Status as of _____ completed by _____ IS

The Current UST Database Comments are See 81515 - 66

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 91-8-27-1414

Case Lead (US Army) C. Appleby

Case Manager (NJDEP) L. Quinn

Case Status Data base "~~In Use~~ ^{removed} As of this date 10/20/08

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

samples were analyzed for VOA+10 only

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

[] Yes No

Explain no soil remediation performed

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? 10 feet

17 What is the approximate depth to saturated zone (seasonally high water table)? 7 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? _____

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 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 #** _____
- 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 10/20/08

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

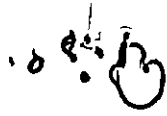
NFA ISSUED

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 ~~STAYS~~ TKS
- Name/Address ~~WESTON~~
- 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 type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> NA |
| • GW Contamination currently exists on site | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> NA |
| • Contaminated Soil Disposal Receipt (fully executed manifest) | <input type="checkbox"/> Yes | <input 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 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 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 type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> NA |
| • Baseline Environmental Evaluation (home heating oil tanks exempt) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> NA |
| • Closure approval notification enclosed | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> NA |
| • No Further Action letter(s) enclosed | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> NA |