



FORSCOM

Closure Report
Pumphouse #2
Facility ID# 9-025086



3d Inf Div (Mech)

Underground Storage Tanks #40 and #41
at Building 8065
3rd Infantry Divison
Hunter Army Airfield
Savannah, Georgia

December 1998

Prepared for:
HAZARDOUS WASTE REMEDIAL ACTIONS PROGRAM
Oak Ridge, Tennessee 37831-7606
Managed by
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
For the
U.S. DEPARTMENT OF ENERGY
under contract DE-AC05-84OR21400

Prepared by:
Earth Tech, Inc.
800 Oak Ridge Turnpike, Suite C-100
Oak Ridge, Tennessee 37830

CLOSURE REPORT

**Aviation Gasoline Tank
Pumphouse #2, Tank #40
Facility ID #: 9-025086**

**Aviation Gasoline Tank
Pumphouse #2, Tank #41
Facility ID #: 9-025086**

**3rd Infantry Division
Hunter Army Airfield
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**Pumphouse #2
Hunter Army Airfield
Underground Storage Tank Removal and Closure Report**

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Tab 1
Closure Report Form

Georgia Department of Natural Resources
Environmental Protection Division
Underground Storage Tank Management Program
4244 International Parkway, Suite 104, Atlanta, Georgia 30354
Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
(404) 362-2687



CLOSURE REPORT FORM

Please complete the following form, include the listed items and check all of the boxes that apply. This form can be used as a Closure Report, provided documentation is attached when specified, to substantiate the information on this form, as outlined in the guidance document "So You Want to Close an UST?" (GUST-9). If one of the items does not apply to your tank closure, please provide a written explanation for the omission. If soil was excavated and disposed of, be sure to complete the applicable sections and attach the proper disposal documents.

1. Owner of UST System:

Name: Tom Fry, Chief, Environmental Branch
Phone Number: (912) 767-1078/2010
Company: U.S. Army, 3rd Infantry Division (Mech) and Fort Stewart
Address: 1557 Frank Cochran Drive
Fort Stewart, GA 31314-4928
(city) (state) (zip code)

I hereby certify that the information contained in this Closure Report and in all the attachments is true, accurate, and complete, and the Closure Report satisfies all criteria and requirements of Rule 391-3-15-.09 of the Georgia Rules for Underground Storage Tank Management.

Signature: Thomas C. Fry Date: 02/02/99

2. UST System Site Location:

Facility Name: Hunter Army Airfield (Pumphouse #2)
Street Address: Strachen Extension
Savannah, GA 31402-5026
(city) (state) (zip code)
Facility ID#: 9-025086

3. Contractor Certification:

I hereby certify that I have performed or supervised the work detailed in this report, and have examined and am familiar with the information submitted in this and all attached documents. The submitted information is, to the best of knowledge, true, accurate, complete, and in accordance with the Georgia Rules for Underground Storage Tank Management, revised February, 1995.

Name: Mr. James Bauman
Address: P.O. Box 2003, Oak Ridge, TN 37831-7606

Signature: James Bauman Date: 12/6/98

4. Site-Specific Hydrogeology:

Depth to Groundwater: _____ ft, if encountered

■ Not Applicable

5. Site Map: Include the following items on an attached site map:

- Tank Pit Area
- Piping Trenches
- Dispensers
- Sewer Lines (if present)
- Water Lines
- Tanks with their ID#s, corresponding to the Notification Form 7530-10
- Sample Locations (with sample numbers and depths)
- Scale 1 in = 80 ft
- North Arrow

Refer to Tab 5: Site Maps

6. Tank Removal:

- Date of Removal: May 15, 1998

- Tank Information:

Tank #	Tank Size (gallons)	Tank Contents
40	25,000	Aviation Gasoline
41	25,000	Aviation Gasoline

(This information should correspond to the 7530-1 Form)

- Attach Amended Notification Form 7503-1
- Describe Soil Sampling Procedures (and groundwater, if encountered):
Refer to Tab 6: Notification Form and Soil/Groundwater
Sampling Procedures

7. Laboratory Analytical Data: The following items must be included on attached copies of the data:

- Laboratory Method
- Date of Sampling
- Date of Analysis
- Detection Limits
- Signed Chain of Custody
- Quality Control Data

Refer to Tab 7: Lab Data

8. Regulated Substance Released: Check the applicable box(es).

- Gasoline □ Diesel □ Kerosene □ Used Oil □ Other _____

Refer to Tab 7: Lab Data and/or Tab 9: Manifests

9. Excavation and Treatment/Disposal of Contaminated Soil:

- Attach Soil Disposal Manifests
- Volume of Soil Excavated (less than 6 ft from USTs and 4 ft from piping or dispenser islands)

_____ Tons OR _____ yd³

■ Not Applicable

10. Local Water Resources: Attach documentation only if Table B Soil Threshold Values and/or in-Stream Water Quality Standards are proposed for soil disposal, or No Further Action Required status. Check the applicable box(es).

- Drinking water supplies are NOT located in:

High or average groundwater pollution susceptibility area:*

Public water systems within 2.0 miles and

Non-public water systems within 0.5 miles

Refer to Tab 7: Lab

Data and/or Tab 10:

Area Map

OR

Low groundwater pollution susceptibility area:*

Public water systems within 1.0 mile and

Non-public water systems within 0.25 mile

* As defined by the Groundwater Pollution Susceptibility Map of Georgia.

☐ Streams, Lakes, and Ponds: _____

☐ **Not Applicable**

11. Conclusions and Recommendations: Choose one.

☐ Clean Closure, thus No Further Action is Required.

☐ Soil Excavated Within the Limits Specified in Question 7 (GUST-9) and Transported to an EPD Treatment/Disposal Facility, Thus No Further Action is Required.

■ USTs Removed. A two year monitoring and evaluation program has been recommended to determine need for remediation. Prior to GA EPD approving the 2 year monitoring and evaluation program, free product in one site well must be removed to <1/8 inch.

Tab 4
Photodocumentation/Certificates of Destruction



Pumphouse #2: Pumphouse #2 prior to tank removal.



Pumphouse #2: Removing Tank #41 with the trackhoe.



Pumphouse #2: Removing Tank #40 with the trackhoe.



Pumphouse #2: Tanks staged adjacent to tank pit following removal.



Pumphouse #2: Backfilling the tank pit.



A **tyco** INTERNATIONAL LTD. COMPANY

800 Oak Ridge Turpike
Suite C-100
Oak Ridge, Tennessee 37830
(423)483-9404 FAX (423)481-3834

Certificate of Tank Destruction

This certificate is issued by Earth Tech to:

Fort Stewart Department of Public Works

For the documentation of tank destruction as identified below:

Hunter Army Airfield, Pumphouse 2, Facility ID 9-025086

UST site name

Tank Type: Aboveground Storage Tank ☒ Underground Storage Tank

Tank Capacity/Size: 25,000 gallons Tank Registration (if known) 40

Tank was:

- Cleaned and decontaminated on (date): May 15, 1998
- Removed from site on (date): May 15, 1998
- Received by (company and/or person's name) Savannah Steel

Procedures for tank destruction were performed in accordance with all federal, state, and local requirements.

Jan McKee
Earth Tech, Inc.

26682
Earth Tech's job number



800 Oak Ridge Turpike
Suite C-100
Oak Ridge, Tennessee 37830
(423)483-9404 FAX (423)481-3834

Certificate of Tank Destruction

This certificate is issued by Earth Tech to:

Fort Stewart Department of Public Works

For the documentation of tank destruction as identified below:

Hunter Army Airfield, Pumphouse 2, Facility ID 9-025086

UST site name

Tank Type: Aboveground Storage Tank X Underground Storage Tank

Tank Capacity/Size: 25,000 gallons Tank Registration (if known) 41

Tank was:

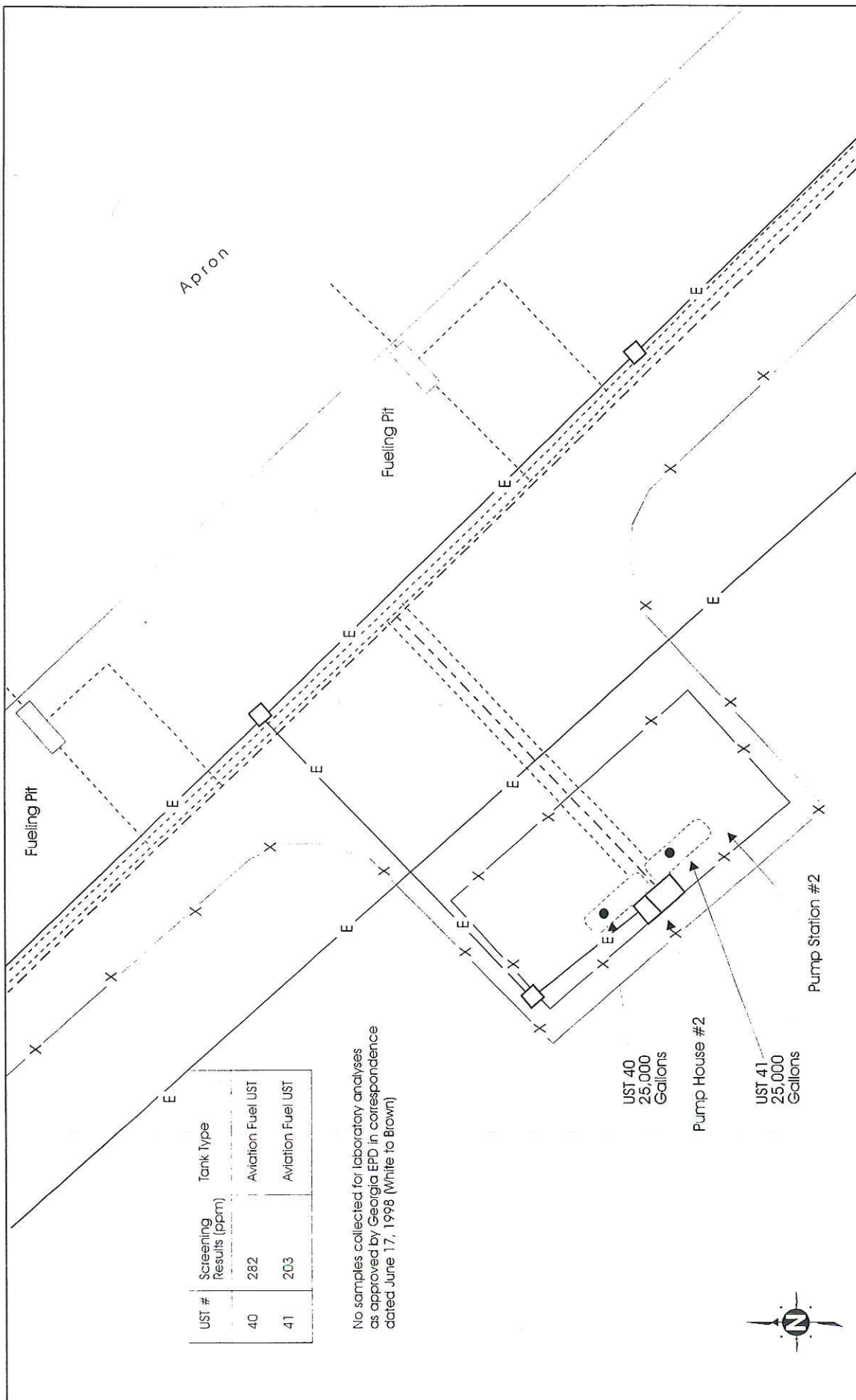
- Cleaned and decontaminated on (date): May 15, 1998
- Removed from site on (date): May 15, 1998
- Received by (company and/or person's name) Savannah Steel

Procedures for tank destruction were performed in accordance with all federal, state, and local requirements.

Jan McKee
Earth Tech, Inc.

26682
Earth Tech's job number

Tab 5
Site Maps



USTs 40 and 41
Pumphouse #2/Building 8065
Facility 9-025086
Hunter Army Airfield

Figure 5-1

EXPLANATION

- Existing Groundwater Monitoring Well
- Headspace Screening Sample Location
- Existing UST
- Fence
- Fuel Line
- Water Line
- Electrical Vault
- Electrical Utility Line

0 40 80 Feet

pump2.cdr 8/7/98

December 1998

Tab 6
GUST Forms and Field Assessment Methods

GUST FORMS

The GUST-42 forms included in this report are copies. The original forms were submitted on August 27, 1998 to GA EPD, USTMP.

FIELD ASSESSMENT METHODS

No samples were taken during the closure of the tanks associated with Pumphouse #2. This is in reference to the January 29, 1998 Exception to Policy letter written to the Georgia Department of Natural Resources-Environmental Protection Division by the Department of the Army. The letter requested that additional sampling during excavation of the tanks not be required because soil contamination has been confirmed and fully delineated at the site, with the defined plume incorporating the two tanks to be removed. Georgia Environmental Protection Division approved the request to not conduct soil sampling at the site in a correspondence dated June 17, 1998 (White to Brown).

Field screening for volatile organic compounds (VOCs) was conducted on soil collected from beneath Tanks #40 and #41. Soil vapors were withdrawn with a Thermoscan 580 Photoionization Detector (PID). Calibration was performed prior to field sampling with a 76 ppm isobutylene/air mixture. PID readings were obtained by filling a clean glass jar one-half full with soil and capping the jar with a teflon coated lid. The sample was allowed to volatilize for approximately 15 minutes. The lid was then partially removed and a piece of tygon tubing attached to the PID was inserted into the jar. An air sample from the headspace was analyzed for total VOCs. The VOC screening result for Tank 40 was 282 ppm and 203 ppm for Tank 41.

CLOSURE OF PIPING

The undersigned certifies that the piping associated with former Tank #40 and Tank #41, located at Building 8065, Hunter Army Airfield, Georgia, was either removed or pressure grouted and left in place by Fort Stewart's contractor, Lockheed Martin Energy Systems/Earth Tech. The piping associated with these two tanks was approximately 4,000 feet in length. The piping was removed to the main line (approximately 120 feet), while the remainder of the piping (approximately 3,880 feet) was pressure grouted for in-place closure. No samples were collected for laboratory analysis during the closure of the piping. See Tab 7 for an explanation.

Name: Thomas C. Fry

Title: Chief, Environmental Branch

Signature: _____

Date: _____

Georgia Department of Natural Resources

Environmental Protection Division
Underground Storage Tank Management Program
4244 International Parkway, Suite 104, Atlanta, Georgia 3035
Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
(404)362-268

NOTICE DATE: _____

Route To _____ File _____

GEORGIA UNDERGROUND STORAGE TANK (GUST) CLOSURE ACTIVITY FORM

For underground storage tanks (USTs) which will be removed or permanently closed in-place, this form must be completed and submitted to the address above at least 30 days prior to the proposed closure. Modifications of this form will not be accepted. USTs must be closed within 90 days after the proposed closure date as reported to EPD. Otherwise, a new Closure Activity Form must be submitted.

I. FACILITY INFORMATION:

Facility Name: HUNTER ARMY AIRFIELD (PUMPHOUSE #2)
Contact Person: MR. JOHN SPEARS Telephone: (912) 767-1071/2010
Address (location; P.O. Box not acceptable): STRACHAN EXTENSION (BLOC 8065)
City: SAVANNAH County: CHATHAM Zip Code: 31402-5026
Facility ID (if known): 9-025086 Date Tanks Last Used: JAN 1971

II. UST INFORMATION: ("Contents" refer to last product contained in UST system)

Tank ID: <u>40</u>	Tank Size (gal): <u>25,000</u>	Contents: <u>AVIATION GASOLINE</u>
Tank ID: <u>41</u>	Tank Size (gal): <u>25,000</u>	Contents: <u>AVIATION GASOLINE</u>
Tank ID: _____	Tank Size (gal): _____	Contents: _____
Tank ID: _____	Tank Size (gal): _____	Contents: _____
Tank ID: _____	Tank Size (gal): _____	Contents: _____

III. UST OWNER: (Complete this section even if it is the same as Section I)

UST Owner Name: 3rd INFANTRY DIVISION (MECHANIZED)/ENVIRONMENTAL
Contact Person: MR. JOHN SPEARS Telephone: (912) 767-2010/1071
Mailing Address: 1557 Frank Cochran Drive
City: Fort Stewart State: GA Zip Code: 31314-4928

IV. CONTRACTOR: (Company secured to actually close UST system)

Company or Organization Name: LOCKHEAD MARTIN
Contractor Representative Name: MR. JAMES BOLMAN Telephone: (423) 241-9492
Address: P.O. Box 2003
City: OAK RIDGE State: TN Zip Code: 37831-7606

GUST-20

- Over -

1/10/81

V. CLOSURE NOTIFICATION INFORMATION:

- A. We request approval for the following work at this site. Work will begin not earlier than 30 days after date of this notice. The owner MUST notify the USTMP of changes to the work date(s).

Tank #	Remove		In-place Closure*		Replace		Upgrade**	
	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
<u>40</u>	<u>X</u>	<u>X</u>	_____	_____	_____	_____	_____	_____
<u>41</u>	<u>X</u>	<u>X</u>	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
Work Date	15 <u>APR</u> 15 <u>APR</u>		_____	_____	_____	_____	_____	_____

- * In-place closure requires Fire Safety Officer approval. See Section V.B. (below).
 ** Upgrade is the addition of such compliance items as cathodic protection, spill/overflow protection, tank lining, monitoring systems, etc., without removing tanks or piping.

- B. The local Fire Safety Officer must prepare this section, signifying approval of in-place closure.

Name: _____ Signature: _____

Jurisdiction: _____ Date: _____

Comment: _____

- C. Request waiver of 30-day notification? ☒ Yes ☐ No

Why? Contract has been awarded and contractor is ready to mobilize.

- D. Comments: _____

VI. PARTY TO WHOM COPY OF THIS FORM SHOULD BE RETURNED AFTER USTMP ACTION:

After approval by USTMP, please return copy of this notice to:

☒ the owner (Section III) or ☐ the contractor (Section IV).

VII. UST OWNER CERTIFICATION: (Must be signed by UST owner or authorized agent)

I certify that the information concerning permanent closure of the UST system referenced on this form is true to the best of my belief and knowledge, and that the requirements of Subpart G of Title 40 CFR Part 280 and the Georgia Environmental Protection Division guidance document entitled "So You Want to Close an UST?" (GUST-9, as revised) will be met. I further certify that I am the UST owner or am duly empowered and authorized to execute this document on behalf of the UST owner.

Name (Print): MR. JOHN H. SPEARS Title: ENVIRONMENTAL BRANCH CHIEF

Organization Name: 3rd Infantry Div (Mech) Telephone: (912) 767-1071/2010

Signature: John H. Spears Date: 3/23/98

For USTM Program Use Only FAC. ID: _____ Date into DB _____ Initials _____

Action	Comments
<input type="checkbox"/> No Action	
<input checked="" type="checkbox"/> Waiver - Yes	<u>Work may begin upon receipt</u>
<input checked="" type="checkbox"/> Waiver - No	
Date: <u>3/31/98</u>	Name: <u>Felicia Jones</u>

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part I: Facility Data

state use only

FACILITY ID NUMBER: 9-025086

INITIAL DATE RECEIVED: 05-06-1986

DATE AMENDED LAST: 03-27-1996

NOTIFICATION TYPE: ☐ New ☒ Amended ☒ Closure

OWNERSHIP OF TANK(S):

OWNER'S ID: 197

Number of Active Tanks: 0

Company Name: U.S. ARMY/FORT STEWART
Contact Person's Name: THOMAS FRY, Environmental Branch Chief
Mailing Address: HQS 3D IN DIV (MECH) AND FORT STEWART
City: 1557 FRANK COCHRAN DRIVE
Phone: (912) 767-2010 FORT STEWART GEORGIA 31314-4928

~~57 FRANK COCHRAN DRIVE~~
Zip Code: 31314-4928

OWNER TYPE: ☒ Federal ☐ State ☐ Local ☐ Commercial ☐ Private

RATOR OF TANK(S):

Company Name: U.S. ARMY/HUNTER ARMY AIRFIELD
Contact Person's Name: DOUG SWANSON, Environmental Engineer
Street Address: 98 SOUTH MIDDLEGROUND ROAD
City: HUNTER ARMY AIRFIELD
Phone: (912) 352-5535 HUNTER ARMY AIRFIELD, GA 31409

Zip Code: 31402

LOCATION OF TANK(S):

Company Name: HUNTER AAF
Contact Person's Name: US ARMY/FT STEWART, Thomas Fry
Street Address: FAC 8065/PUMP STATION #2
City: SAVANNAH State: GA
County: CHATHAM Latitude: : :
Phone: (912) 767-2018

Zip Code: 31402-5026
Longitude: : :

FACILITY TYPE(S):

☐ Gas Station
☐ Petroleum Dist
☐ Air Taxi (Airport)
☐ Aircraft Owner
☐ Auto Dealership
☐ Railroad
☐ Hospital

☐ Local Government
☐ State Government
☐ Fed Non-Military
☒ Fed Military
☐ Commercial
☐ Industrial
☐ Educational

☐ Contractor
☐ Truck/Transport
☐ Utilities
☐ Farm
☐ Residential
☒ Other Airport Hydrant Fuel
Distribution System
Deferred from Subparts B, C, D, E
of 40 CFR 280
Georgia Revision 06/98 GUST #42

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part I: Facility Data

FINANCIAL RESPONSIBILITY:

FACILITY ID NUMBER: 9-025086

- ☒ I meet the financial responsibility requirements of §12-13-9 Official Code of Georgia Annotated by providing or participating in one of the following financial assurance mechanisms.

Primary Financial Responsibility Mechanism: (check one):

- | | |
|--|---|
| <input type="checkbox"/> GUST Trust Fund | <input type="checkbox"/> Insurance |
| <input type="checkbox"/> Surety Bond | <input type="checkbox"/> Guarantee |
| <input type="checkbox"/> Letter of Credit | <input type="checkbox"/> Trust Fund (other than GUST) |
| <input type="checkbox"/> Risk Retention Group | <input type="checkbox"/> Other Method |
| <input checked="" type="checkbox"/> Self-Insured | <input type="checkbox"/> None |

If a primary coverage mechanism other than GUST Trust Fund is checked, provide the following information pursuant to GUST Rule 391-15-.12 (1):

Financial Responsibility Provider (Primary):

Name:

Address:

Mechanism Id Number:

Mechanism Anniversary Date:

Deductible Financial Responsibility, if any: (check one)

NOTE: If your primary Financial Responsibility Mechanism is provided through participation in GUST Trust Fund by payment of Environmental Assurance Fees, as required under GUST Rule 391-3-15-.13, you must also check one of the following boxes indicating how coverage for the GUST Trust Fund \$10,000 deductible is being provided.

If your primary Financial Responsibility Mechanism is other than GUST Trust Fund and it has deductible, you must also check one of the following boxes indicating how coverage for the deductible is being provided.

- | | |
|---|---|
| <input type="checkbox"/> Surety Bond | <input type="checkbox"/> Insurance |
| <input type="checkbox"/> Letter of Credit | <input type="checkbox"/> Guarantee |
| <input type="checkbox"/> Risk Retention Group | <input type="checkbox"/> Trust Fund (other than GUST) |
| <input type="checkbox"/> Self-Insured | <input type="checkbox"/> Other Method |

Provide the name and address of Financial Responsibility Provider for deductible pursuant to GUST Rule 391-15-.12 (1):

Financial Responsibility Provider (Deductible):

Name:

Address:

Mechanism Id Number:

Mechanism Anniversary Date:

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-025086	9-025086	9-025086	9-025086	9-025086
TANK ID	040	041	042	043	044
Status of Tank					
Currently In Use					
Temp. Out of Use					
Perm. Out of Use	X	X			
Date of Installation	02-06-1945	02-06-1945	02-06-1945	02-06-1945	02-06-1945
Age	53	53	53	53	53
Est. Total Capacity	25,000	25,000	25,000	25,000	25,000
Material of Construction					
Asphalt or Bare Steel					
Cath. Protected Steel	X	X	X	X	X
Date Impress Current					
Date Galvanic System					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.					
Date Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, explanation					
Piping Material					
Bare Steel					
Galvanized Steel	X	X	X	X	X
Fiberglass					
Copper					
Cathodically Protected	X	X	X	X	X
Double Walled					
Secondary Containment					
Unknown					
Other, explanation					
Date Piping Installed					
Piping Type					
Suction: No Valve					
Suction: Valve					
Pressure					
Gravity Fed					
Date Piping Repaired					
Substance Stored in Tank					
Gasoline	X	X	X	X	X
Diesel					
Gasohol					
Kerosene					
Heating Oil					
Used Oil					
Propane					
Empty					
Other, explanation					

**STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK**

Part II: Tank Data

FACILITY ID	9-025086	9-025086	9-025086	9-025086	9-025086
TANK ID	040	041	042	043	044
Substance Stored in Tank					
Hazardous Substance					
CERCLA Name					
CAS Number					
Mixture					
Mixture, Specification					
Tanks Out of Use/Chg. Ser.	Tank	Piping	Tank	Piping	Tank
Est. Date Last Used	01-95	01-95	01-95	01-95	01-95
Est. Date Closed	5-15-98	6-11-98	5-15-98	6-11-98	04-95
Removed from Ground	X	X	X	X	X
Closed in Ground		X		X	
Filled with Inert Mat.		X		X	
Change in Service					
Site Assessment Compl.	NOTE: Piping was removed from tank to main fuel line. Piping fixed 11/15/98.				
Leak Detected					
Installation					
Certified by Mfg					
Certified by Imple Agn.					
Inspected by Engineer					
Checklists Completed					
Another Allowed Method					
Method Description					
Release Detection	Tank	Piping	Tank	Piping	Tank
Tank Tightness Testing					
Inventory Controls					
SIR					
Automatic Tank Gauging					
Inter. Mon./Double Wall					
Groundwater Monitoring					
Manual Tank Gauging					
Vapor Monitoring					
Inter. Mon./Sec. Cont.					
Auto. Line Leak Detect.					
Line Tightness Testing					
Other Method					
Other Description					
Spill and Overfill					
Date Overfill Device					
Date Spill Device					
Installer Certification					
Name					
Position					
Company					
Signature					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-025086	9-025086	9-025086	9-025086	9-025086
TANK ID	045	046	047	048	049
Status of Tank					
Currently In Use					
Temp. Out of Use					
Perm. Out of Use					
Date of Installation	02-06-1945	02-06-1945	02-06-1945	02-06-1945	02-06-1945
Age	53	53	53	53	53
Est. Total Capacity	25,000	25,000	25,000	25,000	25,000
Material of Construction					
Asphalt or Bare Steel					
Cath. Protected Steel	X	X	X	X	X
Date Impressed Current					
Date Galvanic System					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.					
Date Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, explanation					
ing Material					
Bare Steel					
Galvanized Steel	X	X	X	X	X
Fiberglass					
Copper					
Cathodically Protected	X	X	X	X	X
Double Walled					
Secondary Containment					
Unknown					
Other, explanation					
Date Piping Installed					
Piping Type					
Suction; No Valve					
Suction; Valve					
Pressure					
Gravity Fed					
Date Piping Repaired					
Distance Stored in Tank					
Gasoline	X	X	X	X	X
Diesel					
Gasohol					
Kerosene					
Heating Oil					
Used Oil					
Propane					
Empty					
Other, explanation					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-025086		9-025086		9-025086		9-025086		9-025086	
TANK ID	045		046		047		048		049	
Substance Stored in Tank										
Hazardous Substance										
CERCLA Name										
CAS Number										
Mixture										
Mixture Specification										
Tanks Out of Use/Chg. Ser.										
	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Est. Date Last Used	01-95	01-95	01-95	01-95	01-95	01-95	01-95	01-95	01-95	01-95
Est. Date Closed	04-95	04-95	04-95	04-95	04-95	04-95	04-95	04-95	04-95	04-95
Removed from Ground	X	X	X	X	X	X	X	X	X	X
Closed in Ground										
Filled with Inert Mat.										
Change in Service										
Site Assessment Compl.										
Leak Detected										
Installation										
Certified by Mfg										
Certified by Imple Agn.										
Inspected by Engineer										
Checklists Completed										
Another Allowed Method										
Method Description										
Leak Detection										
	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Tank Tightness Testing										
Inventory Controls										
SLR										
Automatic Tank Gauging										
Inter. Mon./Double Wall										
Groundwater Monitoring										
Manual Tank Gauging										
Vapor Monitoring										
Inter. Mon./Sec. Cont.										
Auto. Line Leak Detect.										
Line Tightness Testing										
Other Method										
Other Description										
Spill and Overfill										
Date Overfill Device										
Date Spill Device										
Installer Certification										
Name										
Position										
Company										
Date										

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part III: Certifications

DATA OF

INSTALLATION: I certify the information concerning installation of the UST system, release detection, and spill/overfill protection specified in Part II-Tank data is true to the best of my belief and knowledge.

Installer:

Company

Company Address

Authorized Representative

Signature

Date

Title

Telephone Number (include Area Code)

CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Owner:

Thomas C. Fry

Environmental Branch Chief

Owner Name

Title

Thomas C. Fry

Owner's Signature

08/25/98

Date

Tab 7
Laboratory Data

LABORATORY ANALYTICAL RESULTS

No analytical results are provided with this report because no samples were taken during the closure of the tanks associated with Pumphouse #2. This is in reference to the January 29, 1998 Exception to Policy letter written to the Georgia Department of Natural Resources-Environmental Protection Division by the Department of the Army. The letter requested that additional sampling during excavation of the tanks not be required because soil contamination has been confirmed at the site, with the defined plume incorporating the two tanks to be removed. Georgia Environmental Protection Division approved the request to not conduct soil sampling at the site in a correspondence dated June 17, 1998 (White to Brown).

Georgia Department of Natural Resources**Environmental Protection Division****Underground Storage Tank Management Program**

4244 International Parkway, Suite 104, Atlanta, Georgia 30354

Lenice C. Barrett, Commissioner

Harold F. Rehels, Director

(404)362-2687

June 17, 1998

Mr. Carey W. Brown
3rd Infantry Division (M)
1557 Frank Cochran Drive
Fort Stewart, GA 31314-4928

SUBJECT: Corrective Action Plan (CAP)-Part A:
Hunter Army Airfield (FAC 8065)
Building 8065
Savannah, GA; Chatham County
Facility ID: 9025086*1

Dear Mr. Brown:

This is to acknowledge your letters, dated January 29, 1998, and October 7, 1997, requesting a waiver of additional soil sampling for the closure of the remaining USTs, and requesting the use of In-stream Water Quality Standards in lieu of the MCLs for regulatory compliance.

Since the soil contamination at the site has already been fully delineated, your request for a waiver of additional soil sampling is approved. However, your request to use In-stream Water Quality Standards as the regulatory limit for groundwater contamination is not approved. Due to the proximity of the public wells, the MCLs are the required regulatory limit, unless risk assessment and groundwater fate and transport modeling in the CAP-B can support an Alternate Concentration Limit (ACL). Any proposed ACLs calculated as part of the CAP-B are subject to EPD approval.

Please submit an updated milestone schedule by July 12, 1998, listing specific dates, events, and a time table to complete the proposed activities and submit the CAP-B.

If you have any questions, please contact the undersigned at (404)362-2687.

Sincerely,

Kenneth F. White
Kenneth F. White, Ph. D.
Environmental Specialist
Corrective Action Unit

KFW:

g:\anddocs\kennethfwhite\9025086.120

cc: David Wilderman, P.G., Metcalf & Eddy
Lisa L. Lewis, EPD

File (CA): Chatham; 9025086

*** UST Upgrade Deadline - December 28, 1998 ***

True copy



DEPARTMENT OF THE ARMY
HEADQUARTERS, 3D INFANTRY DIVISION (MECHANIZED) AND FORT STEWART
Public Works Business Center
1557 Frank Cochran Drive
Fort Stewart, Georgia 31314-4928

January 29, 1998

REPLY TO
ATTENTION OF

Public Works Business Center

CERTIFIED MAIL

Georgia Department of Natural Resources
Environmental Protection Division
Underground Storage Tank Management Program
Attention: Dr. Kenneth F. White, Environmental Specialist
4244 International Parkway, Suite 104
Atlanta, Georgia 30354

Dear Dr. White:

Fort Stewart is planning to award a project during 2nd quarter, fiscal year 1998 (i.e., January through March 1998) that will accomplish the following at Hunter Army Airfield regarding Pumphouses (PHs) 1, 2, and 6, Facility Identification Numbers 9025085, 9025086, and 9015090, respectively:

- PH #1 (Building 8060) - Removal of the remaining two 25,000 gallon underground storage tanks (USTs) and closure in-place of one 50,000 gallon defuel UST.
- PH #2 (Building 8065) - Removal of the remaining two 25,000 gallon USTs.
- PH #6 (Building 8070) - Removal of ten 50,000 gallon USTs and closure in-place of one 50,000 gallon defuel UST.
- Pipelines - In-place closure of the pipeline used to fill the USTs at PHs #1 and #2, and in-place closure of the inactive portion of the pipeline used to fill the USTs at PH #6.

Fort Stewart submitted Corrective Action Plan (CAP)-Part As for these three facilities on May 14, 1997. Each of the respective CAP-Part As recommended further delineation of soil and groundwater contamination and preparation of a formal CAP-Part B. To date, the field work for the CAP-Part Bs has been completed, and individual CAP-Part B reports will be submitted to GA EPD in the next few weeks.

As indicated in the CAPs, extensive groundwater screening was conducted at these three facilities using the Goresorber® technology. The Installation's contractor installed 750 Goresorber® probes across the area encompassing the three pumphouses and used the resulting analytical information to graphically depict groundwater contamination. This information was also used to select points to install permanent monitoring wells and collect soil boring samples, resulting in very well defined soil and groundwater plumes for these facilities. As stated in the CAP-Part Bs, both vertical and horizontal extent of contamination has been defined, and further delineation is not required at any of the facilities.

Since soil and groundwater contamination has been completely defined at these three facilities, Ms. Melanie Little, in a teleconference with Dr. White on January 13, 1998, requested that GA EPD consider allowing Fort Stewart to forego the sampling required by GUST-9 ("So You Want to Close An UST") as follows:

PH #1 - Request that additional samples at the bottom of the tank excavations during removal and in-place closure activities (two 25,000 gallon USTs and one 50,000 gallon defuel UST) not be required. Soil contamination is already confirmed at this facility, and a defined (vertical and horizontal) plume has been established which incorporates the location of the tanks to be removed. Furthermore, a soil vapor extraction system is proposed in the CAP-Part B to treat the soil contamination. Therefore, the additional sampling would not provide any additional information for this facility.

PH #2 - Request that additional samples at the bottom of the tank excavations during removal activities (two 25,000 gallon USTs) not be required. Soil contamination is already confirmed at this facility, and a defined (vertical and horizontal) plume has been established which incorporates the location of the two tanks to be removed. Furthermore, a soil vapor extraction system is proposed in the CAP-Part B to treat the soil contamination. Therefore, the additional sampling would not provide any additional information for this facility.

PH #6 - Request that only one sample (versus the six required by GUST-9) per 50,000 gallon UST, and three samples at the 50,000 gallon defuel UST be required. Soil samples will be obtained, unless groundwater is encountered. If groundwater is encountered, groundwater samples will be collected in lieu of soil samples. An extensive investigation of the soil and

groundwater conditions at and around this facility has already been completed and both vertical and horizontal extent of contamination has been established. For all constituents, the identified contamination does not exceed alternate concentration limits (ACLs) or respective maximum contaminant levels (MCLs). Samples would only be obtained to document the removal activities.

PHs #1 and #2 Pipeline - Along the pipeline to PHs #1 and #2, request that sampling not be required since the area around the pipeline was investigated previously with the Goresorber® technology and confirmed with soil borings and permanent monitoring wells. The contamination existing around certain sections of the pipeline has already been incorporated into the full plume delineation for PHs #1 and #2 and is addressed in the respective CAP-Part Bs for remediation.

PH #6 Pipeline - Along the pipeline from PH #5 (still active) to PH #6 (inactive), request that sampling not be required since the area around the pipeline was investigated previously with the Goresorber® technology and confirmed with soil borings and permanent monitoring wells. The contamination existing around certain sections of the pipeline has already been incorporated into the full plume delineation for PH #6 and does not exceed ACLs and/or respective MCLs.

Metcalf and Eddy, the contractor who has performed the investigations at these facilities, provided Dr. White with site maps of these areas in correspondence dated January 14, 1998. These maps clearly indicated the locations of all soil borings collected during the CAP-Part A and B investigations, the locations of all permanent monitoring wells, and depicted the benzene contamination plume in the groundwater. These maps were provided by request from Dr. White in order to more clearly depict the extensive investigation already conducted throughout this area of Hunter Army Airfield and graphically portray the well defined benzene contamination in the groundwater (i.e., shallow aquifer).

As stated above, the additional sampling would not provide any additional information on the extent of soil and groundwater contamination at these sites. Therefore, the Installation respectfully requests that GA EPD consider granting the "exception to policy" for additional sampling at these sites during the removal action programmed for award this quarter.

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I look forward to hearing from you on this matter. An urgent reply is requested. If you have any questions or comments, please contact Ms. Melanie Little or Ms. Tressa Rutland, PWBC Environmental Branch, at (580) 353-8165 or (912) 767-7919, respectively.

Sincerely,

for *Hale F. Kiefer*
Carey W. Brown

Lieutenant Colonel, U.S. Army
Director, Public Works Business
Center

Tab 9
Manifests

EXCAVATION OF CONTAMINATED SOIL AND SUPPORTING MANIFESTS

All soil excavated during the closure of the USTs associated with Pumphouse #2 was placed back into the tank pit. Therefore, no manifests are included in this report.

Tab 10
Hunter Army Airfield Area Map

HUNTER ARMY AIRFIELD AREA MAP

An area map of Hunter Army Airfield, with a 500-foot radius around the UST sites' nearest drinking water well, has not been included. Remedial soil threshold levels will be established in the CAP-Part B to be submitted to GA EPD in 2d QTR FY99.