PETROLEUM STORAGE TANK CLOSURE ASSESSMENT REPORT, BUILDING 8583 HUNTER ARMY AIRFIELD, GEORGIA GEOSCIENCES JOB NO. MCE-96-592A

Prepared For

OMEGA ENVIRONMENTAL SERVICES, INC.
4661 HAMMERMILL ROAD
SUITE B
TUCKER, GEORGIA 30084

Prepared By

GEOSCIENCES, INC.
5021 MERCER UNIVERSITY DRIVE
SUITE D-2
MACON, GEORGIA 31210

DOCUMENT 14

PETROLEUM STORAGE TANK CLOSURE ASSESSMENT REPORT, BUILDING 8583 HUNTER army AIRFIELD, GEORGIA GEOSCIENCES JOB NO. MCE-96-592A

Prepared For

OMEGA ENVIRONMENTAL SERVICES, INC.
4661 HAMMERMILL ROAD
SUITE B
TUCKER, GEORGIA 30084

Prepared By

GEOSCIENCES, INC.
5021 MERCER UNIVERSITY DRIVE
SUITE D-2
MACON, GEORGIA 31210

April 21, 1997

Mr. Doug Driver
Omega Environmental Services, Inc.
4661 Hammermill Road
Suite B
Tucker, Georgia 30084

SUBJECT: Petroleum Storage Tank Closure
Site Assessment Report, Building 8583
Hunter Army Airfield, Georgia
Geosciences Job No. MCE-96-592A

Dear Mr. Driver:

Geosciences, Inc. is pleased to present this report of underground storage tank closure consulting services at the above referenced site. The attached Closure Report Form (GUST-9) provides documentation of the Closure, and the report and the figures substantiate the information on the form as specified. The GUST-9 and enclosed Form 7530-1 require signatures and closure information from the UST owner and the closure contractor.

Please sign the contractor certification on the GUST-9 Closure Report form before sending the report to Ms. Melanie Little, Hunter Army Airfield Directorate of Public Works, (DPW). At the discretion of the DPW, this report is suitable for submission to the following:

Georgia Environmental Protection Division (EPD)
Underground Storage Tank Management Program
4244 International Parkway, Suite 104
Atlanta, Georgia 30354

Geosciences, Inc. greatly appreciates the opportunity to be of service to you on this project. If you have any questions, or need further assistance, please do not hesitate to call.

Very Truly Yours,
Geosciences, Inc.

David Price
Environmental Specialist

Travis A. Shepard, R.E.H.S.
Senior Environmental Specialist
Ga. Reg. #224

Thomas E. Driver, P.E.
Senior Engineer
Ga. Reg. #17394

DP/TAS/TED/ds

TABLE OF CONTENTS
BUILDING 8583
HUNTER ARMY AIRFIELD, GEORGIA
GEOSCIENCES JOB NO. MCE-96-592A

APPENDIX

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: _____
   Phone Number: _____
   Company: _____
   Address: _____
   _____
   (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: _____ Date: _____

2. UST System Site Location:
   Facility Name: Hunter Army Airfield Bldg 8583
   Street Address: Directorate of Public Works
   Hunter Army Airfield (Savannah) Georgia 31409-5026
   (city) (state) (zip code)
   Facility ID#: _____

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: Doug Deiver
Address: Omega Environmental Services, Inc.
4667 Hammer Mill Road Suite B Tucker Georgia 30084

Signature: M. Doug Deiver Date: 5/6/97

4. Site-specific Hydrogeology:

Depth to Groundwater _____ ft. if encountered

X 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 7530-1
- Sample Locations (with sample numbers and depths)
- Scale 1 in = 20 ft
- North Arrow

6. Tank Removal:

- Date of Removal: 1/10/97
- Tank Information:

Tank #	Tank Size (gallons)	Tank Contents
8583	1,000	Fuel oil

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

- Attach Amended Notification Form 7530-1
- Describe Soil Sampling Procedures (and groundwater, if encountered): See section 4.0 of report, Groundwater was not encountered during the excavation activities

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

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

☐ Gasoline ☐ Diesel ☐ Kerosene ☐ Used Oil ☒ Other Fuel oil

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 11.5 yd^3

☐ 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 mile

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:_____
Distance to closest surface water body:_____mile(s) **or** _____feet

☒ Not Applicable

11. Conclusions or 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.

1.0 PROJECT INFORMATION

Omega Environmental Services, Inc. (OES) of Tucker, Georgia has performed the closure of Underground Petroleum Storage Tanks (USTs) at Hunter Army Airfield, Georgia. A site location map and scaled site map specific to this report are included in Appendix I. The work was conducted in general accordance with project specification DAHA09-96-C-0010.

Omega Environmental's senior project manager for the work is Doug Driver, (770) 621-9414. The Installation Contracting Officer assigned to the project is Captain Todd Freeseman, (912) 966-8470. Additional contact information is provided on the GUST-9 Closure Report Form on pages 1 through 3 of this report, and on the form 7530-1 in Appendix II.

OES retained Geosciences, Inc. to monitor the site assessment portion of the fuel tank closures, perform soil/groundwater sampling as instructed by the Contracting Office, and, upon completion of the project, submit Site Assessment Reports to the Hunter Army Airfield Contracting Officer. Envirolab, Inc. provided all analytical services for the project. The laboratory director at Envirolab is Francis Y. Huang, Ph.D. (904) 672-5668.

This report is intended to meet the general underground storage tank closure information requirements outlined in GUST-9, August 1995.

2.0 UST SITE LOCATION

The general vicinity of the UST site at Building 8583 can be found on the Street and Facility Guide to Hunter Army Airfield, Appendix I, Figure 1. A detailed, scaled map of the excavation area is also provided in Appendix I, Figure 2.

3.0 UST REMOVAL/ SOIL EXCAVATION

OES removed one 1,000 gallon UST at building 8583 on January 10, 1997. The removal began by draining the UST piping into the tank. Product was then removed from the UST. A backhoe was used to excavate down to the tank top. All lines were then capped except the fill and vent. The UST was purged of practically all remaining product and residuals by a vacuum truck and/or a compressor driven barrel vacuum device. After essentially all residuals were removed and the tank atmosphere was tested with a combustible gas indicator, all accessible tank openings were capped except for a 1/8 inch vent hole, and the tank was lifted from the excavation.

During the excavation activities, Geosciences utilized a Photoionization Detector (PID) to indicate soils that were potentially contaminated by petroleum fuel hydrocarbons, and where necessary, the PID was utilized to direct remedial over excavation of contaminated soils. Soils with headspace readings above 10 ppm were segregated from "clean" soils for analytical testing and possible remediation or disposal.

The highest PID readings encountered during the removal of the 1,000 gallon tank were 100 to 120 ppm. Approximately 11.5 yards of contaminated soils were over excavated. The extent of remedial over excavation was directed by the contracting office representative.

After remedial over excavation, PID readings at the excavation limits for the 1,000 gallon UST were 10 to 20 ppm. The excavation activities were terminated and confirmatory samples were collected.

4.0 SOIL SAMPLING POINTS AND QUALITY CONTROL MEASURES

On January 10, 1997, two soil samples were collected from native soils at the excavation base below the UST and one sample was collected from the lower 1/3 of the excavation pit sidewalls. The approximate sample locations are shown on Figure (3), Appendix I.

Effort was made to collect soil samples in a manner that did not unnecessarily disturb the internal structure of the soil and that reduced sample exposure to sunlight and open air. When possible, a decontaminated stainless steel hand auger was used to obtain the samples. However, for safety reasons, it was sometimes necessary to collect a sample from the backhoe bucket. A decontaminated stainless steel spoon was used to collect these samples. Disposable gloves were worn during each sampling event and the gloves were changed between samples.

Sampling equipment was decontaminated by washing with a laboratory grade detergent solution and rinsing with tap water. This was followed by rinsing with insecticide grade isopropanol, and the equipment was allowed to air dry before use.

Immediately upon extraction from the ground, each sample was placed in the appropriate laboratory supplied, vapor and fluid tight container. After labeling the containers with indelible ink, the samples were placed in an insulated chest full of ice and kept on ice throughout shipment to Envirolab, Inc., via Federal Express overnight delivery.

5.0 SAMPLE RESULTS

The soil samples were submitted for analytical testing of Total Petroleum Hydrocarbons (TPH), Polynuclear Aromatic Hydrocarbons (PAHs) and the Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituents using EPA Methods 8015, 8310 and 8020, respectively.

A copy of the laboratory report and chain-of-custody is provided in Appendix III. The sampling points are referenced by the report number on Figure 3, Appendix I.

A summary of the sample results is as follows:

REPORT NO.	SAMPLE COLLECTION DATE	LOCATION	DEPTH	BTEX	TPH	PAH
9701176-2	1/10/97	NORTH WALL EAST CORNER	5'	BDL	6.10	BDL
9701176-6	1/10/97	EAST BOTTOM	8'	BDL	BDL	BDL
9701176-4	1/10/97	WEST BOTTOM	8'	BDL	BDL	BDL

Results in PPM
BDL=Below Detection Limit

6.0 DESTINATION OF EXCAVATED SOILS

Approximately 11.5 yards of soil from Building 8583 were segregated by the PID and stockpiled at Omega's temporary containment area for petroleum contaminated soils located on Hunter Army Airfield.

The stockpiled contaminated soils from the excavation at Building 8583 were turned over to the government for disposal. Further information regarding the destination of the Contaminated Soils can be obtained from Captain Todd Freeseman, Hunter Army Airfield at (912) 966-8470. The contaminated soil profile composite results are provided in Appendix III.

7.0 DESTINATION OF UST AND CONTENTS

The removed UST was cleaned and scrapped by OES in accordance with American Petroleum Institute (API) Recommended Practices 1604, 2015, 2015A. A Certificate of Destruction signed by Doug Driver (OES) is provided in Appendix IV. Further information regarding the destruction and destination of the UST can be obtained from Doug Driver (OES) at (770) 621-9414.

Product remaining in the UST was removed under the direction of the Hunter Army Airfield Directorate of Public Works (DPW). Further information regarding the removed product can be obtained from Captain Todd Freeseman, (912) 966-8470.

Residuals were removed by Omega Environmental Services. Residuals were drummed and stored at the OES laydown area located at Hunter Army Airfield. The drummed residuals were later sampled and analyzed for flashpoint, and RCRA metals and Volatiles by the Toxicity Characteristic Leaching Procedure (TCLP) outlined in 40 CFR Part 261.24. Coastal Refining Corporation of Savannah, Georgia was then contacted to remove the drums for disposal. Further information regarding the disposal of residuals can be obtained from Doug Driver of Omega Environmental Services, (770) 621-9414. A copy of the analytical results and disposal manifest is included in Appendix III.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Remedial excavation of soil was performed at this site within the limits as specified in GUST-9. Analytical results of confirmatory samples collected from the excavation base and sidewalls of the excavation are below detection limits for BTEX and PAHs. TPH in soil is vertically delineated to below detection limits above the groundwater table. Excavated contaminated soils were turned over to the government for disposal. For these reasons, we recommend a "No Further Action Required" (NFAR) status for the Building 8583 UST site.

APPENDIX I

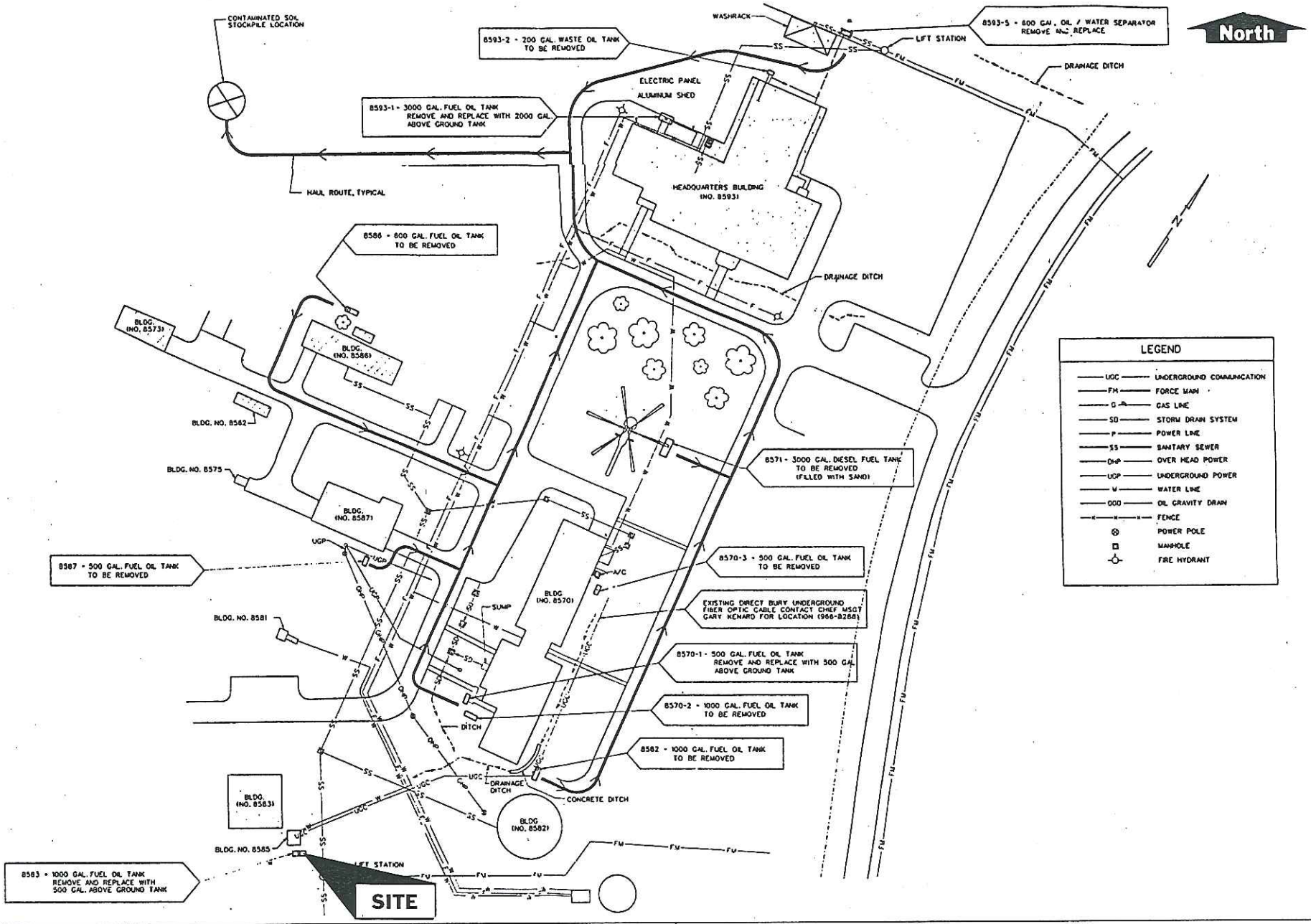
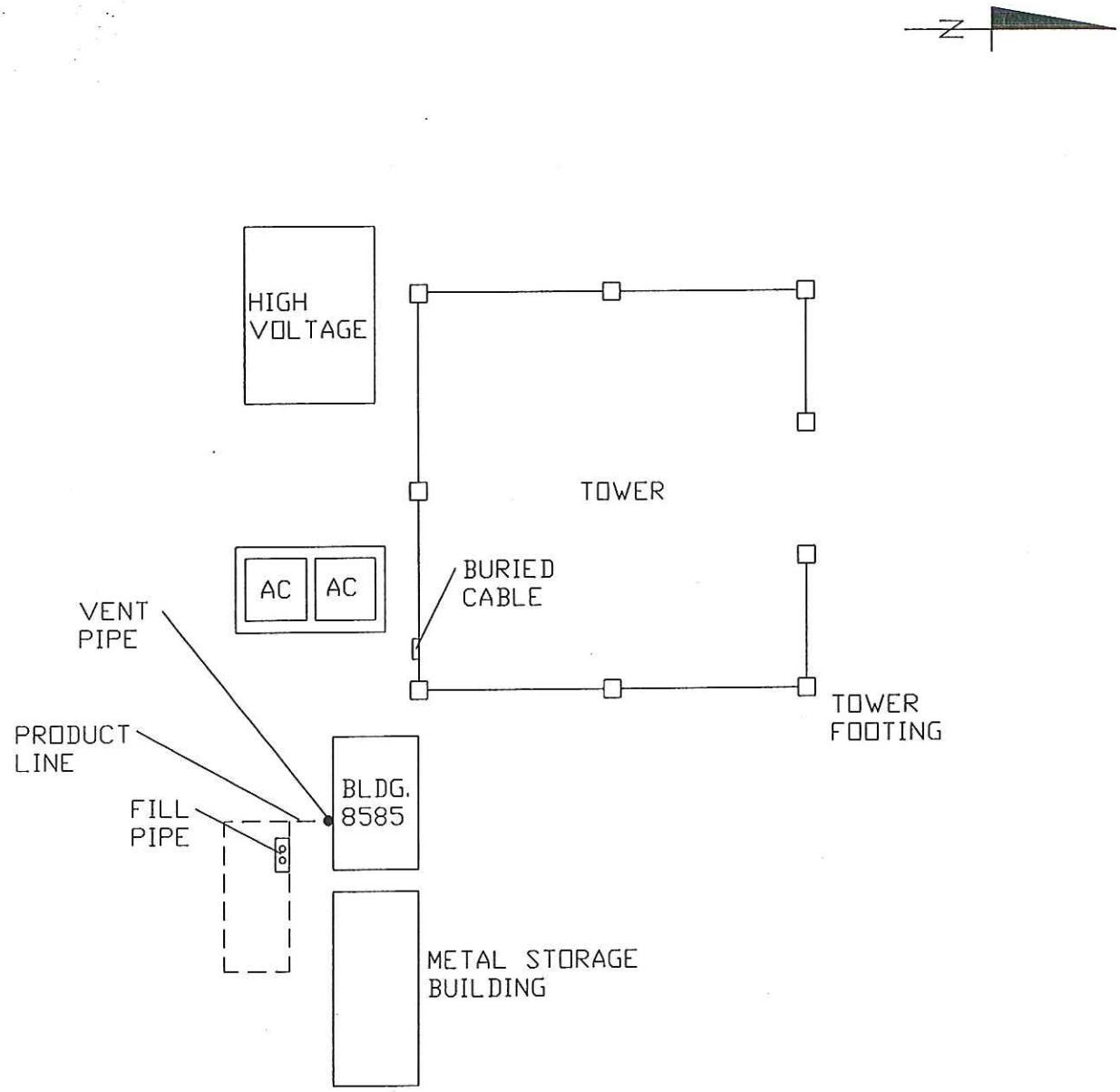


FIGURE 1
SITE LOCATION MAP - BLDG. 8583
HUNTER army AIRFIELD
SAVANNAH, GEORGIA
GEOSCIENCES JOB NO. MCE-96-592A

Geosciences inc.

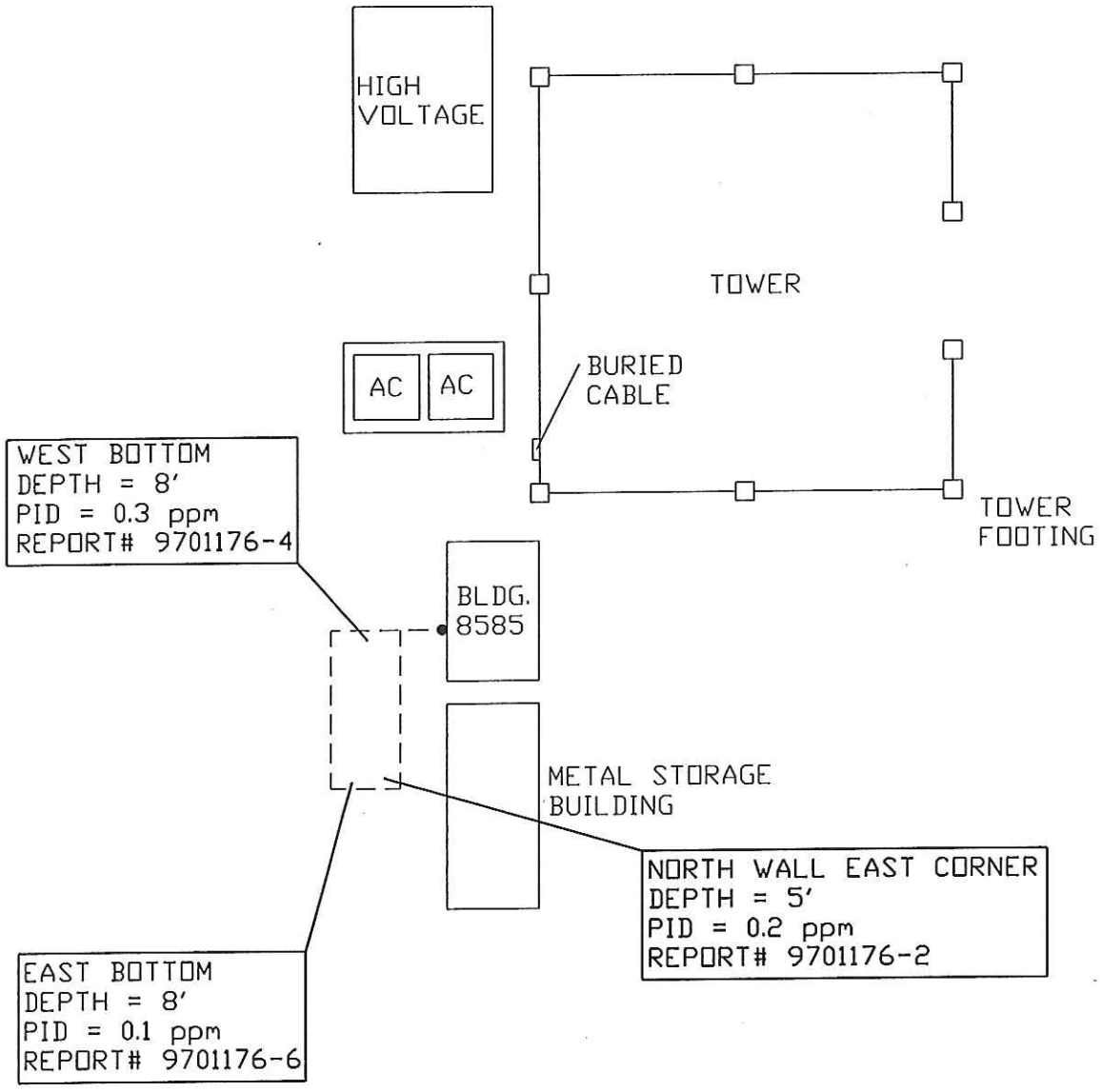


SCALE 1" = 20'
ALL LOCATIONS APPROXIMATE

FIGURE 2
SITE PLAN - BLDG. 8583
HUNTER army AIRFIELD
SAVANNAH, GEORGIA
GEOSCIENCES JOB NO. MCE-96-592A

Geosciences inc.

C:/JOBS/MCE96592A/8583_2.DWG



SCALE 1" = 20'
ALL LOCATIONS APPROXIMATE

FIGURE 3
CONFIRMATORY SAMPLE LOCATIONS - BLDG. 8583
HUNTER army AIRFIELD
SAVANNAH, GEORGIA
GEOSCIENCES JOB NO. MCE-96-592A

Geosciences inc.

C:/JOBS/ME96592A/8583_3.DWG

APPENDIX II

STATE OF GEORGIA

NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

STATE USE ONLY

PART I: Facility Data

FACILITY ID NUMBER: _____

OWNER'S ID: _____

INITIAL DATE RECEIVED: _____

DATE AMENDED LAST: _____

NOTIFICATION TYPE : ☐ New ☐ Amended ☐ Closure

OWNERSHIP OF TANK(S): NUMBER OF TANK(S) : _____

Name : _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: ( ) - _____ County: _____

LOCATION OF TANK(S):

Name : Hunter Army Airfield
Street Address : Bldg. 8583
City : Savannah State : Georgia Zip Code: 31409-5026
County: Chatham Latitude: : : Longitude: : :
Phone: ( ) - _____

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

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 _____

CONTACT PERSON IN CHARGE OF TANK(S):

Name : _____ Title: _____
Address: _____
City : _____ State: ____ Zip Code: _____
Phone : ( ) - _____

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part I: Facility Data

FINANCIAL RESPONSIBILITY: FACILITY ID NUMBER: _____

☐ 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)

☐ GUST Trust Fund
☐ Surety Bond
☐ Letter of Credit
☐ Risk Retention Group
☐ Self-insured
☐ Insurance
☐ Guarantee
☐ Trust Fund (other than GUST)
☐ Other Method _____
☐ 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: _____ City: _____ State: _____

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 the 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 a deductible, you must also check one of the following boxes indicating how coverage for the deductible is being provided.

☐ Surety Bond
☐ Letter of Credit
☐ Risk Retention Group
☐ Self-insured
☐ Insurance
☐ Guarantee
☐ Trust Fund (other than GUST)
☐ 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: _____ City: _____ State: _____

Mechanism Id Number: _____

Mechanism Anniversary Date: ___/___/___

Part II: Tank Data

FACILITY ID					
TANK ID					
Status of Tank					
Currently in Use					
Temp. Out of Use					
Perm.Out of Use					
Date of Installation					
Age					
Est. Total Capacity					
Material of Construction					
Asphalt or Bare Steel					
Cath. Protected Steel					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.					
Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Explanation					
Date Tank Repaired					
Piping Material					
Bare Steel					
Galvanized Steel					
Fiberglass					
Copper					
Cathodically Protected					
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					
Diesel					
Gasohol					
Kerosene					
Heating Oil					
Used Oil					
Propane					
Empty					
Other, Explanation					

NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID					
TANK ID					
Substance Stored in Tank					
Hazardous Substance					
CERCLA Name					
CAS Number					
Mixture					
Mixture, Specification					

Out of Use/Chg. Ser.	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Est. Date Last Used										
Est. Date Closed										
Removed from Ground										
Closed in Ground										
Filled with Iner Mat.										
Change in Service										
Site Assessment Compl.										
Leak Detected										

Installation					
Certified by Manufac					
Certified by Imple Agn.					
Inspected by Engineer					
Checklists Completed					
Another Allowed Method					
Method Description					

Release Detection	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Tank Tightness Testing										
Inventory Controls										
SIR										
Automatic Tank Guaging										
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				

Part III: Certifications

PATH OF INSTALLATION: I certify the information concerning installation of the UST system, release detection, and spill/overflow 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: _____ (Owner Name) _____ (Title)

_____ (Owner's Signature) _____ (Date)

APPENDIX III

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Page Number: 1
Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Submission #: 9701000176
Lab Sample Number: 9701176 1
Client Sample Number: 8583 Original Number (If Resample):
PWSID:
Sample Description: CONTAMINATED STOCKPILE
Sample Address:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared
8020	BENZENE	6.7	ug/kg	2.5 / N/A	RM	01/14/97	
8020	ETHYLBENZENE	580	ug/kg	2.5 / N/A	RM	01/14/97	
8020	TOLUENE	220	ug/kg	2.5 / N/A	RM	01/14/97	
8020	o-XYLENE	1600	ug/kg	50 / N/A	RM	01/14/97	
8020	m-XYLENE	680	ug/kg	2.5 / N/A	RM	01/14/97	
8020	p-XYLENE	680	ug/kg	2.5 / N/A	RM	01/14/97	
8310	ACENAPHTHENE	500	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	ACENAPHTHYLENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	ANTHRACENE	380	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	BENZ(A)ANTHRACENE	1501	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(A)PYRENE	390	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(B)FLUORANTHENE	350	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(G,H,I)PERYLENE	210	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(K)FLUORANTHENE	125	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	CHRYSENE	570	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	DIBENZO(A,H)ANTHRACENE	270	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORANTHENE	1600	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	FLUORENE	390	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	INDENO(1,2,3-CD)PYRENE	210	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	1-METHYLNAPHTHALENE	1800	ug/kg	100 / N/A	ODL	01/14/97	01/14/97
8310	2-METHYLNAPHTHALENE	1423	ug/kg	100 / N/A	ODL	01/14/97	01/14/97
8310	NAPHTHALENE	316	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	PHENANTHRENE	1987	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
8310	PYRENE	1030	ug/kg	70 / N/A	ODL	01/14/97	01/14/97
MOD8015	TPH (DRO)	1754	mg/kg	500 / N/A	VRP	01/14/97	01/14/97

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Submission #: 9701000176
Lab Sample Number: 9701176 2
Client Sample Number: 8583 Original Number (If Resample):
PWSID:
Sample Description: NORTH WALL EAST CORNER
Sample Address:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared
8020	BENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	ETHYLBENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	TOLUENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	o-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	m-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	p-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8310	ACENAPHTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	ACENAPHTHYLENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZ(A)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(A)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(B)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(G,H,I)PERYLENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(K)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	CHRYSENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	DIBENZO(A,H)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	INDENO(1,2,3-CD)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	1-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	2-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	NAPHTHALENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PHENANTHRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
MOD8015	TPH (DRO)	6.10	mg/kg	5.0 / N/A	VRP	01/14/97	01/14/97

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Submission #: 9701000176
Lab Sample Number: 9701176 3
Client Sample Number: 8587 Original Number (If Resample):
PWSID:
Sample Description: EAST BOTTOM
Sample Address:

Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared
8020	BENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	ETHYLBENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	TOLUENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	o-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	m-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	p-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8310	ACENAPHTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	ACENAPHTHYLENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
	BENZ(A)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
	BENZO(A)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(B)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(G,H,I)PERYLENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(K)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	CHRYSENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	DIBENZO(A,H)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	INDENO(1,2,3-CD)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	1-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	2-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	NAPHTHALENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PHENANTHRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
MOD8015	TPH (DRO)	<5.0	mg/kg	5.0 / N/A	VRP	01/14/97	01/14/97

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Submission #: 9701000176
Lab Sample Number: 9701176 4
Client Sample Number: 8583 Original Number (If Resample):
PWSID:
Sample Description: WEST BOTTOM
Sample Address:

Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared
8020	BENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	ETHYLBENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	TOLUENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	o-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	m-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	p-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8310	ACENAPHTHENE	<0	ug/kg	0 / N/A	ODL	01/14/97	01/14/97
8310	ACENAPHTHYLENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
	BENZ(A)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
	BENZO(A)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(B)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(G,H,I)PERYLENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(K)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	CHRYSENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	DIBENZO(A,H)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	INDENO(1,2,3-CD)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	1-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	2-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	NAPHTHALENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PHENANTHRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
MOD8015	TPH (DRO)	<5.0	mg/kg	5.0 / N/A	VRP	01/14/97	01/14/97

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Submission #: 9701000176
Lab Sample Number: 9701176 5
Client Sample Number: 8587 Original Number (If Resample):
PWSID:
Sample Description: WEST BOTTOM
Sample Address:

Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared
8020	BENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	ETHYLBENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	TOLUENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	o-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	m-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	p-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8310	ACENAPHTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	ACENAPHTHYLENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZ(A)ANTHRACENE	73	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(A)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(B)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(G,H,I)PERYLENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(K)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	CHRYSENE	36	ug/kg	0 / N/A	ODL	01/14/97	01/14/97
8310	DIBENZO(A,H)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORANTHENE	123	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	INDENO(1,2,3-CD)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	1-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	2-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	NAPHTHALENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PHENANTHRENE	66	ug/kg	0 / N/A	ODL	01/14/97	01/14/97
8310	PYRENE	81	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
MOD8015	TPH (DRO)	<5.0	mg/kg	5.0 / N/A	VRP	01/14/97	01/14/97

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Page Number: 6
Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Submission #: 9701000176
Lab Sample Number: 9701176 6
Client Sample Number: 8583 Original Number (If Resample):
PWSID:
Sample Description: EAST BOTTOM
Sample Address:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared
8020	BENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	ETHYLBENZENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	TOLUENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	o-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	m-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8020	p-XYLENE	<0.50	ug/kg	0.50 / N/A	RM	01/14/97	
8310	ACENAPHTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	ACENAPHTHYLENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
	BENZ(A)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
	BENZO(A)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(B)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(G,H,I)PERYLENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	BENZO(K)FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	CHRYSENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	DIBENZO(A,H)ANTHRACENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORANTHENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	FLUORENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	INDENO(1,2,3-CD)PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	1-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	2-METHYLNAPHTHALENE	< 50	ug/kg	50 / N/A	ODL	01/14/97	01/14/97
8310	NAPHTHALENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PHENANTHRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
8310	PYRENE	< 35	ug/kg	35 / N/A	ODL	01/14/97	01/14/97
MOD8015	TPH (DRO)	<5.0	mg/kg	5.0 / N/A	VRP	01/14/97	01/14/97

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084
ATTN: MR. M. DOUG DRIVER

Page Number: 7
Date Received: 01/14/97
Date Reported: 01/17/97
Date Sampled: 01/10/97
Client PO Number:

Submission #: 9701000176
Lab Sample Number: 9701176 6
Client Sample Number: 8583 Original Number (If Resample):
PWSID:
Sample Description: EAST BOTTOM
Sample Address:

Method	Component	Result	Units	MDL / MCL	Analyst	Date Analyzed	Date Prepared

Respectfully Submitted:

Francis Y. Huang

Francis Y. Huang, Ph.D. / Henry N. Ashby
Lab Director / President

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory ity control system. This lab follows an approved quality assurance program.

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

Surrogate Percent Recovery
Polynuclear Aromatic Hydrocarbons
METHOD 8310

Client Name: OMEGA ENVIROMENTAL 9701176 *Date:* 1/15/97

Sample ID	Terphenyl d-4 (%) (12-159)	*COMMENTS*
BLANK	89	
LFB	76	
LFBD	78	
9701176-1	106	
9701176-2	88	
9701176-3	96	
9701176-4	91	
9701176-5	95	
9701176-6	87	

SURROGATE: 0 out of 9 outside QC Limits

Matrix Spike/Matrix Spike Duplicate Recovery
Polynuclear Aromatics Hydrocarbons

Sample ID: LFB/LFBD

Compound		*Conc. Spike Added (ug/kg)*	*Sample Result (ug/kg)*	*Conc. MS (ug/kg)*	*% REC*	*Conc. MSD (ug/kg)*	*% REC*	*%RPD*
%RPD Limit	*% REC Limit*							
Acenapthene								
28	*(D-124)*	833	<35	192	23.1	203	24.4	5
Acenapthylene								
38	*(D-139)*	1667	<50	630	37.8	647	38.8	3
Anthracene								
31	*(12-135)*	83.3	<35	45.7	54.9	46.3	55.6	1
Pyrene								
38	*(D-140)*	83.3	<35	56.7	68.0	57.3	68.8	1
Fluorene								
40	*(D-142)*	166.7	<35	64	38.3	65.7	39.3	3
Napthalene								
42	*(D-122)*	833	<35	241	28.9	288	34.6	18
Phenanthrene								
42	*(D-155)*	83.3	<35	44.7	53.6	45.3	54.4	1

PAH: 0 out of 21 outside QC Limits

Comments:

Analyst Signature: ODL

REV. #1

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

Surrogate Percent Recovery
Polynuclear Aromatic Hydrocarbons
METHOD 8310

Client Name: OMEGA ENVIROMENTAL 9701176 *Date:* 1/15/97

Sample ID	Terphenyl d-4 (%) (12-159)	*COMMENTS*
9701172-2MS	90	
9701172-2MSD	90	

SURROGATE: 0 out of 2 outside QC Limits

Matrix Spike/Matrix Spike Duplicate Recovery
Polynuclear Aromatics Hydrocarbons

Sample ID: MS/MSD 9701172-2

Compound		*Conc. Spike Added (ug/kg)*	*Sample Result (ug/kg)*	*Conc. MS (ug/kg)*	*% REC*	*Conc. MSD (ug/kg)*	*% REC*	*%RPD*
%RPD Limit	*% REC Limit*							
Acenapthene								
28	*(D-124)*	1082	<35	446	41.2	422	39.0	3
Acenapthylene								
38	*(D-139)*	2165	<50	1130	52.2	1110	51.3	2
Anthracene								
31	*(12-135)*	108.2	<35	71.4	66.0	71.4	66.0	0
Pyrene								
38	*(D-140)*	108.2	<35	113	105	113	105	0
Fluorene								
40	*(D-142)*	217.0	<35	102	47.1	100	46.3	2
Napthalene								
42	*(D-122)*	1082	<35	502	46.4	450	41.6	11
Phenanthrene								
42	*(D-155)*	108.2	<35	85.7	79.2	84.8	78.4	1

PAH: 0 out of 21 outside QC Limits

Comments:

Analyst Signature: ODL

REV. #1

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

Surrogate Percent Recovery
Volatiles in Soil - 8020

Client Name: Omega 97-01-176 *Date:* 1/14/96

Sample I.D.	*1,4-Difluorobenzene (80-120)*	*4-Bromofluorobenzene (72-120)*	*Comments*
BLANK	97.2	112	
97-01-176-1	98.7	168 *	Matrix Interference
97-01-176-2	113	73.6	
97-01-176-3	108	105	
97-01-176-4	85.6	115	
97-01-176-5	113	104	
97-01-176-6	113	86.0	

Volatiles: *0* out of *14* ;outside QC limits

Water Matrix Spike/Matrix Spike Duplicate Recovery
Volatiles in Soil -

Sample I.D. 97-01-172-1 *(MS/MSD)*

Compound		*Conc. Spike Added(ug/kg)*	*Sample Result*	*Conc. MS*	*%REC*	*Conc. MSD*	*%REC*	*% RPD*
RPD Limit	*REC Limit*							
Chlorobenzene								
20	*61-134*	25	ND	24.9	99.6	23.1	92.4	7.50
Toluene								
20	*62-135*	25	ND	25.8	103.2	24.1	96.4	6.81
Benzene								
20	*80-130*	25	ND	24.2	96.8	23.4	93.6	3.36

Volatiles: *0* out of *9* ;outside QC limits

Comments:

v:\data\admin\forms\qc\601602qc

P.O: Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

ELAB ANALYTICAL RESULTS DILUTION FACTORS SUMMARY

-- To Be Submitted with the Analytical Report --

Client Name: Omega
Submission # : 97-01-176

Elab Sample #	Client Sample #	Analyte or Group Names (Note 1)	Dilution Factor (Note 2)
97-01-176-1	Contaminated Stock	8020	5
97-01-176-1	Contaminated Stock	O-Xylene	100

Note 1: The analyte or group names are shown in the Elab Analytical Report.
Note 2: Dilution factors shown only for those analytes or groups of analytes with a qualifier of "D".

0

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

GENERIC LABORATORY CHAIN OF CUSTODY

9701-176

Submitted by: Omega Environmental Services	Submitted to: Envirolab Sheila Wilcox 904-672-5668 ormond Beach Fla
Invoicing/Account Information: Hunter Army Airfield Contract No. DAHA09-96-C-0010	Copies of Analytical Report to: Travis Sheppard - Geosciences Doug Driver OES
Sample Collected by: David Price, Chip Scrosss Date: 1	ANALYSIS REQUESTED

Station No.	Date	Sample Location	Time	matrix	Grab	TPH-DRO	BTEX 8020	PAH 8310	Remarks	LAB USE ONLY
8583	1/10/97	Contaminated Stockp. 7c	1:30	S	comp	—	—	—		-176-1
8583	1/10/97	North wall EAST corner	1:10	S	Grab	—	—	—		-2
8587	1/10/97	EAST Bottom		S	Grab	✓	✓	✓		-3
8583	1/10/97	west Bottom	12:45	S	G	✓	✓	✓		-4
8587	1/10/97	west Bottom		S	G	✓	✓	✓		-5
8583	1/10/97	EAST Bottom		S	G	✓	✓	✓		-6

Relinquished by David Price	Date 1/13/97	Received by	Date
	Date		Date 1/14/97

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

ANALYTICAL REPORT

Submission Number: 9702000106
Date Received: 02/07/97
Date Reported: 02/18/97

Client's P.O. Number:
Project Number:
Project Name: HUNTER AAF

Lab Sample Number: 9702106 4
Client Sample Number: 8593-5
Sample Description: SLUDGES

Date Sampled: 02/05/97
Sample Matrix: SLUDGE

Method	Analyte	Result	Q	Unit	Reporting Limit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	14.0		%	0.0	BL	02/07/97	
1010	FLASH POINT	>150		DEG F	N/A	LL	02/12/97	
1311/7060	ARSENIC (TCLP)	<0.010		mg/L	0.010	AA	02/14/97	
1311/7080	BARIUM (TCLP)	2.8		mg/L	2.5	AA	02/13/97	
1311/7130	CADMIUM (TCLP)	<0.25		mg/L	0.25	AA	02/13/97	
1311/7190	CHROMIUM (TCLP)	<1.0		mg/L	1.0	AA	02/13/97	
1311/7420	LEAD (TCLP)	<1.0		mg/L	1.0	AA	02/14/97	
1311/7470	MERCURY (TCLP)	<0.020		mg/L	0.020	AA	02/14/97	
1311/7740	SELENIUM (TCLP)	<0.020		mg/L	0.020	AA	02/14/97	
1311/7760	SILVER (TCLP)	<0.50		mg/L	0.50	AA	02/12/97	
	TCLP VOLATILE ORGANICS							
1311/8240	BENZENE	0.047		mg/L	0.010	RM/VG	02/08/97	
1311/8240	CARBON TETRACHLORIDE	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	CHLOROBENZENE	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	CHLOROFORM	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	1,2-DICHLOROETHANE	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	1,1-DICHLOROETHENE	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	METHYL ETHYL KETONE	<0.20		mg/L	0.20	RM/VG	02/08/97	
1311/8240	TETRACHLOROETHYLENE	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	TRICHLOROETHYLENE	<0.010		mg/L	0.010	RM/VG	02/08/97	
1311/8240	VINYL CHLORIDE	<0.010		mg/L	0.010	RM/VG	02/08/97	
	TCLP ZHE VOC EXTRACTION							
1311	TCLP ZHE LEACHATE GENERATION	0.000				RM	02/07/97	
	TCLP EXTRACTION (METALS ONLY)							
1311	TCLP METALS LEACHATE GENERATION	0.000				AH	02/10/97	

MR. M. DOUG DRIVER
OMEGA ENVIRONMENTAL SERVICES
4661 HAMMERMILL ROAD, SUITE B
TUCKER,GA 30084

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

ANALYTICAL REPORT

Submission Number: 9702000106
Date Received: 02/07/97
Date Reported: 02/18/97

Client's P.O. Number:
Project Number:
Project Name: HUNTER AAF

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang, Ph.D. / Henry N. Ashby
Lab Director / President

Drinking Water
HRS #83160
Environmental
HRS #E83079

ELAB, Inc.

Quality Control Report

Client ID.:
EGA ENVIRONMENTAL **Submis.:** *9702000106* **DATE:** *2/14/97*

	Precision				Accuracy					
Parameter	*Sample I.D.*	*Rep A mg/L*	*Rep B mg/L*	*%RPD*	*Sample I.D.*	*Sample Conc. mg/L*	*MS Conc. mg/L*	*Spike Con. mg/L*	*%REC*	*Method blk mg/L*
Aluminum										
Barium	02.106-4	2.80	2.70	3.64	02.106-4MS	2.80	21.9	20.0	95.5	<2.5
Cadmium	02.106-4	<0.25	<0.25	0.000	02.106-4MS	<0.25	2.85	2.50	114.	<0.25
Calcium										
Chromium	02.106-4	<1.0	<1.0	0.000	02.106-4MS	<1.0	2.20	2.00	110.	<1.0
Cobalt										
Copper										
Iron										
Lead	02.106-4	<1.0	<1.0	0.000	02.106-4MS	<1.0	2.40	2.00	120.	<1.0
Magnesium										
Manganese										
Mercury	02.106-4	<0.02	<0.02	0.000	02.106-4MS	<0.02	1.98	2.00	99.0	<0.02
Nickel										
Potassium										
[illegible]r	02.091-1	<0.5	<0.5	0.000	02.091-1MS	<0.5	1.90	2.00	95.0	<0.5
Sodium										
Zinc										
Strontium										
Molybdenum										
Selenium	02.186-1	<0.02	<0.02	0.000	02.186-1MS	<0.02	0.131	0.125	105.	<0.02
Arsenic	02.186-1	0.021	0.020	4.76	02.186-1MS	0.011	0.129	0.125	94.4	<0.01

%REC = [(MS Conc.-Sample Conc.)/Spike Conc.]
** = Insufficient Sample to perform QC.*

V:\DATA\METALS\QC\02106MTL.XLS

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Puerto Rico: Mobile (809) 390-3505 • Beeper (809) 759-1255 • Unit #: 2148194

Drinking Water
HRS #83160
Environmental
HRS # E83079
ENVIROLAB

Quality Control Report

Client ID.:
OMEGA

Submis.: 9702000106 DATE: 2/12/97

Parameter	Precision				Accuracy					Method blk
	Sample I.D.	Rep A mg/L	Rep B mg/L	%RPD	Sample I.D.	Sample Conc. mg/L	MS Conc. mg/L	Spike Con. mg/L	%REC	mg/L
Alkalinity										
Ammonia										
BOD										
Silica										
Chloride										
COD										
Conductivity										
Cyanide										
Fluoride										
Hex. Chromium										
Kjeldahl Nitrogen										
Nitrate										
Nitrite										
Oil and Grease										
tho Phosphate										
pH										
Phenol										
Sulfate										
Hydrogen Sulfide										
TDS										
TOC										
Surfactants										
Total Phosphate										
Total Solids	02106-4	14.0	13.0	7.41	ALPHATROL	N/A	372.	380.	97.9	<1.00
TRPH 418.1/9073	02206-1	<5.00	<5.00	0.000	02206-1MS	<5.00	2.46	2.50	98.4	<5.00
TSS										
Turbidity										
Oxidized Nitrogen										
Odor										
Flash Point	02106-4	>150	>150	0.000						>150
Color										

%REC = [(MS Conc.-Sample Conc.)/Spike Conc.]
* = Insufficient Sample to perform QC.

V:\DATA\WETCHEM\QC\02106WET.XLS

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

Surrogate Percent Recovery
Volatiles in Soil - 8020

Client Name: Omega 97-02-106 *Date:* 2/7/97

Sample I.D.	*1,4-Difluorobenzene (80-120)*	*4-Bromofluorobenzene (72-120)*	*Comments*
BLANK	110	112	
97-02-106-1	118	118	
97-02-106-2	108	110	
97-02-106-3	111	93.5	

Volatiles: *0* out of *8* ;outside QC limits

Water Matrix Spike/Matrix Spike Duplicate Recovery
Volatiles in Soil -

Sample I.D. 97-01-462-6 *(MS/MSD)*

Compound		*Conc. Spike Added(ug/L)*	*Sample Result*	*Conc. MS*	*%REC*	*Conc. MSD*	*%REC*	*% RPD*
RPD Limit	*REC Limit*							
Chlorobenzene								
20	*61-134*	25	ND	30.9	124	27.3	109	12.4
Toluene								
20	*62-135*	25	ND	28.5	114	25.1	100	12.7
Benzene								
20	*80-130*	25	ND	26.7	107	24.0	96.0	10.7

Volatiles: *0* out of *9* ;outside QC limits

Comments:

v:\data\admin\forms\qc\601602qc

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079

ENVIROLAB

Surrogate Percent Recovery
Polynuclear Aromatic Hydrocarbons
METHOD 8310

Client Name: OMEGA 9702106 *Date:* 2/11/97

Sample ID	Terphenyl d-4 (%) (12-159)	*COMMENTS*
9702106-1MS	83	
9702106-1MSD	86	

SURROGATE: 0 out of 2 outside QC Limits

Matrix Spike/Matrix Spike Duplicate Recovery
Polynuclear Aromatics Hydrocarbons

Sample ID: MS/MSD 9702106-1

Compound		*Conc. Spike Added (ug/kg)*	*Sample Result (ug/kg)*	*Conc. MS (ug/kg)*	*% REC*	*Conc. MSD (ug/kg)*	*% REC*	*%RPD*
%RPD Limit	*% REC Limit*							
Acenapthene								
28	*(D-124)*	1050	<50	675	64.3	667	63.5	1
Acenapthylene								
38	*(D-139)*	2110	<50	1590	75.4	1590	75.4	0
Anthracene								
31	*(12-135)*	105	<35	78.5	74.7	81.9	78.0	4
Pyrene								
38	*(D-140)*	105	<35	55.7	53	41.4	39.4	31
Fluorene								
40	*(D-142)*	211.0	<35	160	75.8	161	76.2	1
Napthalene								
42	*(D-122)*	1050	<35	680	64.8	654	62.3	4
Phenanthrene								
42	*(D-155)*	105	<35	78.5	74.7	117	112	40

PAH: 0 out of 21 outside QC Limits

Comments:

Analyst Signature: ODL

REV. #1

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

Surrogate Percent Recovery
Polynuclear Aromatic Hydrocarbons
METHOD 8310

Client Name: OMEGA 9702106 *Date:* 2/11/97

Sample ID	Terphenyl d-4 (%) (12-159)	*COMMENTS*
BLANK	82	
LFB	82	
LFBD	89	
9702106-1	86	
9702106-2	80	
9702106-3	78	

SURROGATE: 0 out of 6 outside QC Limits

Matrix Spike/Matrix Spike Duplicate Recovery
Polynuclear Aromatics Hydrocarbons

Sample ID: LFB/LFBD

Compound		*Conc. Spike Added (ug/kg)*	*Sample Result (ug/kg)*	*Conc. MS (ug/kg)*	*% REC*	*Conc. MSD (ug/kg)*	*% REC*	*%RPD*
%RPD Limit	*% REC Limit*							
Acenapthene								
28	*(D-124)*	833	<35	440	52.8	470	56.4	7
Acenapthylene								
38	*(D-139)*	1667	<50	1070	64.2	1190	71.4	11
Anthracene								
31	*(12-135)*	83.3	<35	60.3	72.4	66.3	79.6	9
Pyrene								
38	*(D-140)*	83.3	<35	30.0	36.0	36.7	44.1	20
Fluorene								
40	*(D-142)*	166.7	<35	111	66.5	125	74.9	12
Napthalene								
42	*(D-122)*	833	<35	413	49.6	430	51.6	4
Phenanthrene								
42	*(D-155)*	83.3	<35	58.3	70	63	75.6	8

PAH: 0 out of 21 outside QC Limits

nments:

Analyst Signature: ODL

REV. #1

V:\DATA\ADMIN\FORMS\QCNEW\610 JUNE 95

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Drinking Water
HRS #83160
Environmental
HRS #E83079
ENVIROLAB

Surrogate Percent Recovery
Volatile TCLP

Client Name: Omega 97-02-106 **Date:** 2/8/97

Sample I.D.	1,2-Dichloroethane-D4 (80-120)	Toluene-D8 (80-120)	4-Bromofluorobenzene (80-120)	Comments
daily blk	114	87.6	84.3	
97-02-106-4	118	86.9	81.5	

Volatil 1 *out of* 6 *;outside QC limits*

Matrix Spike Volatiles

Sample I.D. *97-01-451-3* ***(MS)***

Compound	Conc. Spik Added(mg/L	Sample Result	Conc. MS	%REC
1,1 Dichloroethylene	20	ND	21.8	109
1,2 Dichloroethane	20	ND	27.4	137
1,4 Dichlorobenzene	20	ND	18.7	94
Benzene	20	ND	20.4	102
Carbon Tetrachloride	20	ND	21.4	107
Chlorobenzene	20	ND	17.9	90
Chloroform	20	ND	23.9	120
Methyl Ethyl Ketone	100	ND	25.2	25
Tetrachloroethylene	20	ND	17.2	86
Trichloroethylene	20	ND	21.2	106
Vinyl Chloride	20	ND	28.9	145

Comments:

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

GENERIC LABORATORY CHAIN OF CUSTODY

9702-106

Submitted by: Geosciences Inc 5021 Mercer University Drive Suite D-2 Macon GA 31210	Submitted to: Enviro lab P.O. Box 468 8 East Tower Circle Ormond Beach Florida 32175-0468
Invoicing/Account Information: Hunter AAF Omega Environmental Services, Inc 4661 Hammermill Rd. Suite B Tucker GA 30084	Copies of Analytical Report to: Geosciences Inc and OES
Sample Collected by: Date:	ANALYSIS REQUESTED

Station No.	Date	Sample Location	Containers			TCLP Metals Flash Point	TPH (418.1) BTEX PAHs	TCLP Vol *	Remarks	LAB USE ONLY
4593-5	2/5/97	PL#1	1				✓			9702-106-1
4593-5	2/5/97	PL#2	1				✓			-2
4593-5	2/5/97	PL#3	1				✓			-3
4593-5	2/5/97	Sludges	1			✓		✓		✓ -4

*TCLP Vol are at 7 Day TAT. Other tests are rush 24, 48, 72 hour. TAT.
SW 2-7-97

Relinquished by	Date	Received by	Date
	2-6-97		
	Date		Date 2/7/97

COASTAL REFINING CORP.

2830 Tremont Rd.
Savannah, GA 31405

Please print or type

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of

Manifest # 32735

3. Generator's Name and Mailing Address: Omega Environmental

4. Generator's Phone ( ): 4661 Hammer Mill Rd. Tucker Ga 30084

5. Transporter 1 Company Name: COASTAL REFINING CORP.

6. US EPA ID Number: GAD 038-921-136

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address:
COASTAL REFINING CORP.
2830 Tremont Road
Savannah, GA 31405

10. US EPA ID Number: GAD 038-921-136

A. Transporter's Phone 912-233-9999

B. Transporter's Phone

C. Facility's Phone 912-233-9999

11. Waste Shipping Name and Description	12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Waste Petroleum Oil, N.O.S.			Gal.
b. Oily Water		500	
c. Filters			
d.			

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above
DOT Emergency Response Guide None

15. Special Handling Instructions and Additional Information
Test ok

16. GENERATOR'S CERTIFICATION: GENERATOR WARRANTS THAT THIS LIQUID MATERIAL IS OIL FROM AUTOMOTIVE OR INDUSTRIAL USE AND CONTAINS NO KNOWN CHEMICALS OR SOLVENTS. IT IS UNDERSTOOD THAT SAMPLES WILL BE ANALYZED. SHOULD TEST RESULTS SHOW HARMFUL CHEMICALS, EPA WILL BE NOTIFIED AND GENERATOR ASSUMES RESPONSIBILITY FOR ANY CORRECTIVE MEASURE REQUIRED.

Printed/Typed Name	Signature	Month	Day	Year
Michael Warren	X Michael Warren	1	14	97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Michael A Garcia	Michael A Garcia	1	14	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR

TRANSPORTER

FACILITY

GENERATORS COPY

COASTAL REFINING CORP.
2830 Tremont Rd.
Savannah, GA 31405

Please print or type

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of

Manifest # 33085

3. Generator's Name and Mailing Address: Omega Environmental

4. Generator's Phone ( ) 4661 Hammer Mill Rd. Tucker Ga. 30084

5. Transporter 1 Company Name: COASTAL REFINING CORP.

6. US EPA ID Number: GAD 038-921-136

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address:
COASTAL REFINING CORP.
2830 Tremont Road
Savannah, GA 31405

10. US EPA ID Number: GAD 038-921-136

A. Transporter's Phone 912-233-9999

B. Transporter's Phone

C. Facility's Phone 912-233-9999

11. Waste Shipping Name and Description	12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Waste Petroleum Oil, N.O.S.			Gal.
b. Oily Water		charge 1,500	
c. Filters			
d.			

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above
DOT Emergency Response Guide None

15. Special Handling Instructions and Additional Information
Test ok

16. GENERATOR'S CERTIFICATION: GENERATOR WARRANTS THAT THIS LIQUID MATERIAL IS OIL FROM AUTOMOTIVE OR INDUSTRIAL USE AND CONTAINS NO KNOWN CHEMICALS OR SOLVENTS. IT IS UNDERSTOOD THAT SAMPLES WILL BE ANALYZED. SHOULD TEST RESULTS SHOW HARMFUL CHEMICALS, EPA WILL BE NOTIFIED AND GENERATOR ASSUMES RESPONSIBILITY FOR ANY CORRECTIVE MEASURE REQUIRED.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
x Carlos Arruda	x [signature] #SL027	2	3	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Michael A. Garcia	[signature]	2	3	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATORS COPY

APPENDIX IV

OMEGA ENVIRONMENTAL SERVICES, INC.
4661 Hammermill Rd. Suite B Tucker, Georgia 30084
Tel: (770) 621-9414 Fax: (770) 934-2451

117th ACS/SE
Hunter Army Airfield, Georgia

Subject: Remove/Replace
Underground Storage Tanks
Certification of Destruction
Contract No. EAHA09-96-C-0010

The undersigned certiifes that the UST(s) listed below were removed, transported, cleaned and scrapped in general accordance with the following:

American Petroleum Institute (API)
API RP 1604
API PUBL 2015
Code of Federal Regulation
29 CFR 1910
40 CFR 280
Corps of Engineers (COE)
COE EM-385-1-1

For destruction, the UST was delivered to:

UST ID#: 117TH, HUNTER ARMY AIRFIELD

For destruction, the UST was delivered to: OMEGA ENVIRONMENTAL SERVICES, INC.

UST ID#: TANK #8583

Place of Origin: TANK #8583

Date: 1/17/97

Disposed: SAVANNAH STEEL AND METAL COMPANY

Seller: OMEGA ENVIRONMENTAL SERVICES, INC.

If there are any questions regarding this Certificate of Destruction, please contact Doug Driver at Omega Environmental Services, Inc. at (770) 621-9414.

Sincerely,

M. Doug Driver

M. Doug Driver
Operations Manager

SAVANNAH STEEL & METAL CO.

405 TREMONT ROAD • P.O. BOX 1585
SAVANNAH, GEORGIA 31401
(912) 232-8882 • FAX (912) 232-8057

No. 77487

Omega

DATE

481 - 202232

GROSS 47020 lb 4:30 PM 01 17 97

TARE 32440 lb 4:44 PM 01 17 97

NET 14580

QTY.	ITEM	UNIT	AMOUNT
14,580	SCRAP STEEL	2.50	364.50
	PREPARED STEEL		
	CAST IRON		
	AUTOS		
	TIN SHREDDER		
	COPPER #1		
	COPPER #2		
	INSULATED COPPER		
	RED BRASS		
	YELLOW BRASS		
	MIXED BRASS		
	RADIATORS		
	ALUM CANS		
	ALUM EXTRUSIONS		
	ALUM CAST		
	ALUM CLIPS		
	ALUM RADIATORS		
	ALUM SHEET		
	CLEAN ALUMINUM		
	ALUM/COPPER FINS		
	ALUM FURNACE		
	STAINLESS		
	BATTERIES		

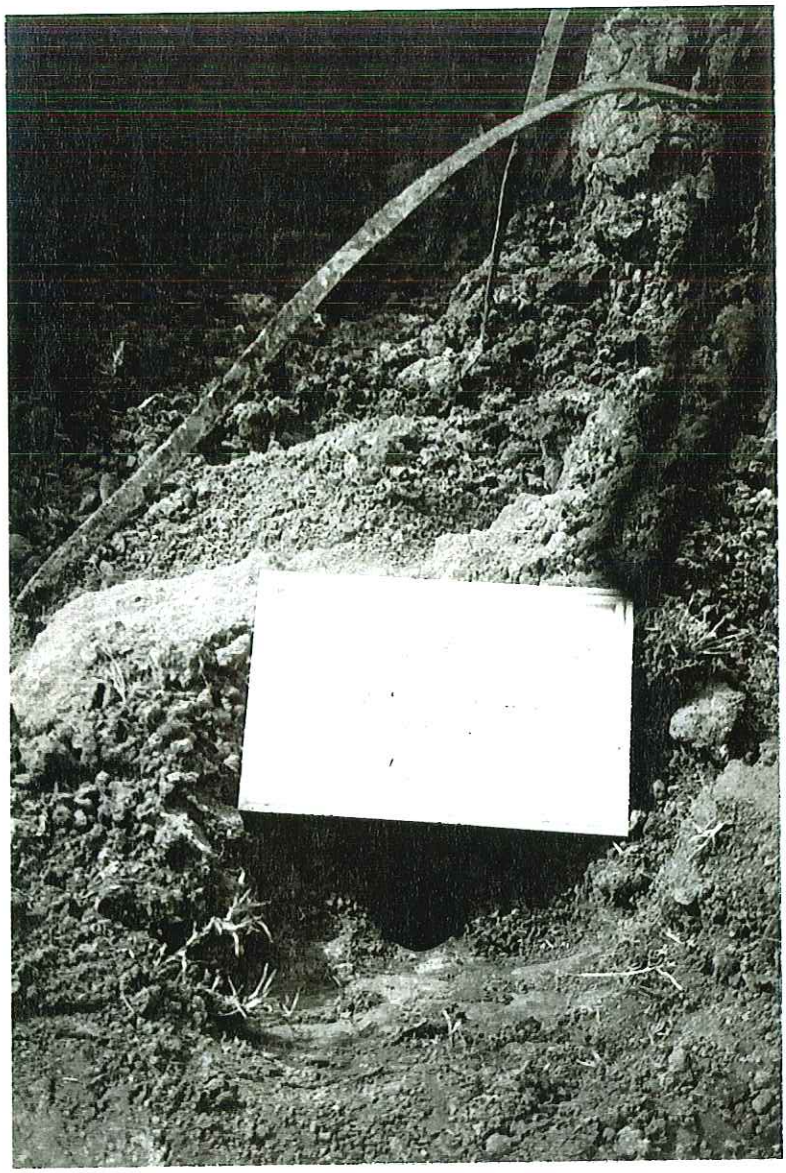
TOTAL P.02

APPENDIX V

PHOTOGRAPH -1-
EXCAVATION ACTIVITIES

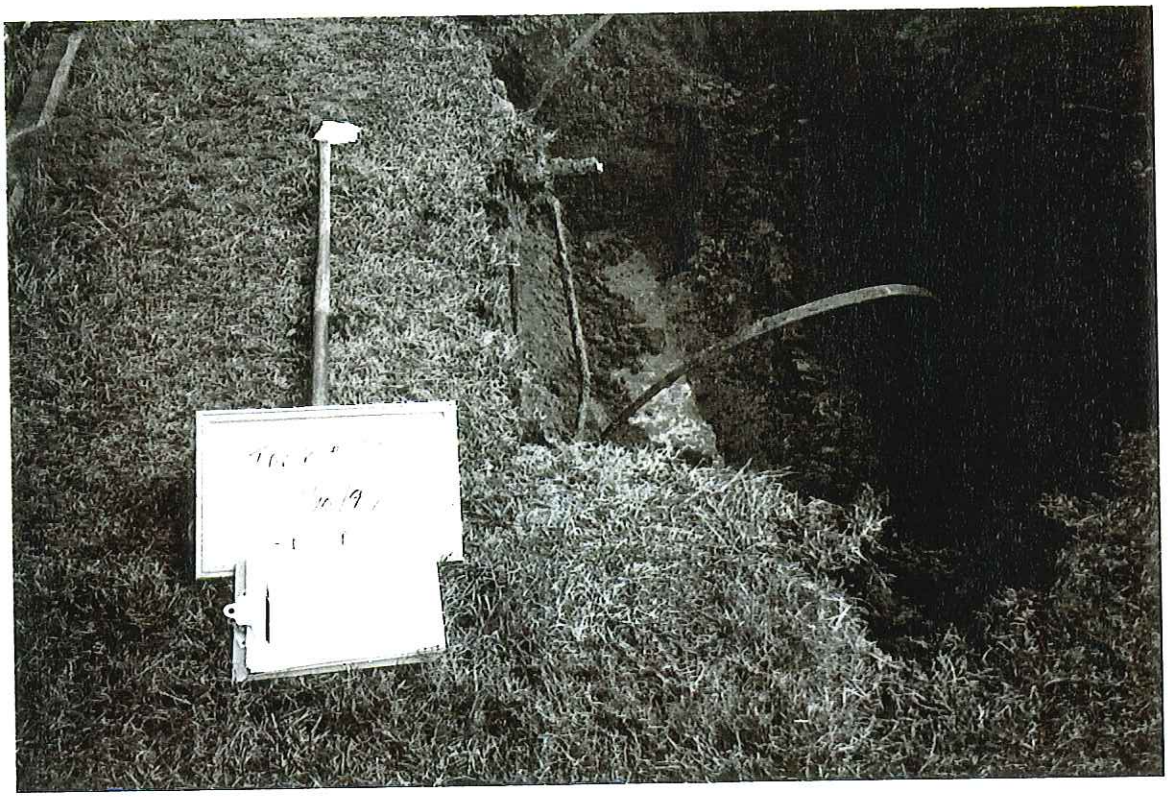
PHOTOGRAPH -2-
DRAINING OF PRODUCT LINES

PHOTOGRAPH -3-
UST REMOVAL



PHOTOGRAPH -4-
EAST BOTTOM SAMPLE LOCATION

PHOTOGRAPH -5-
WEST BOTTOM SAMPLE LOCATION



PHOTOGRAPH -6-
NORTH WALL SAMPLE LOCATION

PHOTOGRAPH -7-
BACKFILLED EXCAVATION