

**Mid-Atlantic Associates, P. A.**

1310 H Corporation Parkway • Raleigh, NC 27610 • (919) 250-9918  
P.O. Box 41183 • Raleigh, NC 27629 • FAX (919) 250-9950

**REPORT OF ENVIRONMENTAL SERVICES AND CLOSURE OF ONE  
UNDERGROUND STORAGE TANK  
NC ARMY NATIONAL GUARD SITE  
WINSTON-SALEM ARMORY  
WINSTON-SALEM, NORTH CAROLINA**

August 31, 1995

Mid-Atlantic Job No. MAA-95-250J

Prepared For:

Mr. Todd Preddy  
NC Army National Guard  
4105 Reedy Creek Road  
Raleigh, North Carolina 27607-6410

Prepared By:

**MID-ATLANTIC ASSOCIATES, P.A.**



Thomas A. Proctor, P.G.  
Senior Geologist



Darin M. McClure, P.E.  
Senior Engineer

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Appendix A	Notice of Intent to Close (DEHNR form GW/UST-3)
Appendix B	Certificate of Disposal - UST
Appendix C	Laboratory Analytical Reports and Chain-of-Custody
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## 1.0 GENERAL INFORMATION

### 1.1 Introduction

This report provides information concerning documentation of the closure by removal of one 6,000-gallon capacity underground storage tank (UST) at the North Carolina Army National Guard Armory in Winston-Salem, located as shown in Drawing 1.1. Although the removed tank stored heating oil for consumptive use on the premises and was therefore technically exempt from State and Federal UST regulations, this report has been formatted in accordance with Form GW/UST-12, the North Carolina Department of Environment, Health, and Natural Resources (DEHNR), Groundwater Section's required UST closure report format. Background information, a summary of the UST removal and closure assessment procedures, the laboratory tests results, and our findings and recommendations, are included in this report.

The opinions included herein are based on our experience and the information obtained during the study. This report is based on limited observations made on the date noted using the procedures described herein. If additional information becomes available, we request the opportunity to review the information, reassess the potential environmental concerns and modify our findings and recommendations, if appropriate.

### 1.2 Ownership of UST

North Carolina Army National Guard  
4105 Reedy Creek Road  
Raleigh, North Carolina 27607-6410  
(919) 664-6392

The North Carolina Army National Guard contracted with Mid-Atlantic Associates, P.A. (Mid-Atlantic) to observe and document the UST removal activities and prepare a closure report for the UST. Mid-Atlantic subcontracted with Evergreen Environmental Services, Inc. of Kernersville to remove the UST. Removal of the UST was performed by Evergreen in general accordance with the American Petroleum Institute (API) Recommended Practice 1604 "Removal and Disposal of Used Underground Petroleum Storage Tanks".

### 1.3 Facility Information

North Carolina Army National Guard  
Winston-Salem Armory  
2000 Silas Creek Parkway  
Winston-Salem, Forsyth County, North Carolina 27103  
(910) 761-5506  
Facility I.D.#: 0-024323



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1.4 Contacts

Primary Contact: Mr. Todd Preddy  
North Carolina Army National Guard  
4105 Reedy Creek Road  
Raleigh, North Carolina 27607-6410  
(919) 664-6392

Closure Contractor: Evergreen Environmental Services, Inc.  
Post Office Box 1926  
Kernersville, North Carolina 27285  
(910) 996-0181  
Mr. Nathan Lestor

Consultant: Mid-Atlantic Associates, P.A.  
Post Office Box 41183  
Raleigh, North Carolina 27629  
(919) 250-9918  
Mr. Thomas A. Proctor, P.G.

Laboratory: GeoChem, Incorporated  
2500 Gateway Centre Blvd., Suite 300  
Morrisville, North Carolina 27560  
State Certification #: 336  
(919) 460-0167  
Mr. Dean Goekel, President

1.5 UST Information

Tank No.	Installation Date	Size (Gallons)	Tank Dimensions	Last Contents	Previous Contents
1	1963	6,000	8' Diameter 16' Length	Heating Oil	NA



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## 1.6 Site Characteristics

The subject site is the Winston-Salem Armory of the North Carolina Army National Guard located on 2000 Silas Creek Parkway in Winston-Salem, North Carolina (Drawing 1.1). The UST was previously used to store heating oil for firing the on-site boiler. According to Mr. Todd Preddy, Environmental Projects Coordinator for the Guard, there has been no evidence of past releases from the heating oil UST at the facility. The facility is currently active and operates as a National Guard Armory.

Based on our observations of the subject site, the surrounding properties, and of the Winston-Salem West, North Carolina, United States Geological Survey 7.5 minute quadrangle map (Drawing 1.1), the subject site is located in the vicinity of several small businesses and light industries.

The site has an elevation of approximately 790 feet above mean sea level. The topography in the vicinity of the UST removal area slopes downward generally to the south/southwest, towards an unnamed tributary of Salem Creek. Assuming the water table mirrors the local topography, groundwater in the surficial aquifer beneath the subject site would generally flow to the south/southwest. However, we cannot accurately predict the direction of groundwater flow based solely on topographic observations.

## 2.0 CLOSURE PROCEDURES

### 2.1 Pre-closure Procedures

The North Carolina National Guard submitted form GW/UST-3, Notice of Intent: UST Permanent Closure or Change-In-Service, to DEHNR on April 6, 1995. A copy of the form is contained in Appendix A. Prior to removal of the tank on August 11, 1995, Evergreen evacuated the vessel of residual product and then degassed the tank with dry ice.

During ventilation of the tank, the atmosphere in the vessel was regularly tested for flammable, combustible, vapor concentrations and oxygen content with a combustible gas indicator and oxygen meter. Readings of 20 percent or less of the lower explosion limit (LEL) were obtained from the tank before it was removed from the excavation.



## 2.2 Excavation Procedures

The UST was buried approximately 2.0 feet below land surface (BLS) and was oriented at the site as shown on Drawing 2.1. Excavation began by removing soil from the top of the UST and continuing towards the ends of the tank. Excavated overburden and backfill soils consisted of light brown silt. Once the top and sides of the UST were exposed and the tank was properly degassed, the UST was removed from the excavation. Upon removal, Mid-Atlantic visually inspected the UST for evidence of structural failure. The UST appeared to be in generally good condition with no visible evidence of pitting or corrosion along the length of the tank shell. Subsequent to removal, the tank was transported from the site to Southern Tank & Environmental, Inc. in Charlotte, North Carolina, where it was cleaned and cut into scrap metal for disposal. A copy of the Certificate of Disposal for the UST is contained in Appendix B.

## 2.3 Excavated Soil

During removal of the UST, the excavated backfill material was screened for the presence of volatile organic compounds with an Organic Vapor Analyzer (OVA). Results of the OVA screening are discussed in Section 3.1. No soil was stockpiled at the site during the UST removal activities.

A concrete pad was encountered below the tank during the excavation process. Steel straps encircled the tank and were bolted to the pad. Due to the thickness of the pad, no attempt was made to break it up and excavate it from the tank pit. Subsequent to removal of the tank and collection of the closure samples, the excavation was backfilled to the surface with the excavated material and clean fill material. The backfill was compacted in the excavation in 12-inch lifts using the trackhoe bucket. The surface was seeded and covered with straw.

## 3.0 **SITE INVESTIGATION**

### 3.1 Field Screening Techniques

As stated in Section 2.3, the excavated backfill material and native soils were screened for the presence of volatile organic compounds with a Foxboro TVA-1000 OVA. The OVA is useful as a screening device to detect the presence of volatile organic compounds, but was not relied upon to determine specific levels of



contamination. The OVA readings of the excavated backfill material and native soil were less than 1 part per million (ppm).

### 3.2 Sampling Procedures

As previously stated, the UST removed from the subject site was situated on a concrete pad. Subsequent to removal of the tank, two soil samples were collected from the excavation. These samples were collected to measure for the presence of a release from the UST where contamination was most likely to be present. Sample J-PB-1 was collected from the soil just below the north end of the tank and on top of the concrete pad at a depth of approximately 10 feet BLS. Sample J-PB-2 was collected from the soil just below the south end of the tank and on top of the concrete pad at a depth of approximately 10 feet BLS. The location of these samples is shown on Drawing 2.2. The soil samples were tested for volatile and semi-volatile total petroleum hydrocarbons (TPH) by EPA Method 8015 after preparation by EPA Methods 5030 and 3550, respectively.

### 3.3 Quality Control Measures

The soil samples were retrieved from the backhoe bucket with care taken to collect soils which had not contacted the bucket. All samples were placed by the sampler into laboratory-supplied glassware and handled using clean latex gloves. The samples were labeled, packed on ice, and shipped to GeoChem, Incorporated in Morrisville, North Carolina under chain-of-custody. The date and time of sample collection and date and time submitted to the laboratory are shown on Table 3.1, along with a summary of the laboratory analytical results. No samples were collected for quality control purposes.

### 3.4 Investigative Results

Reports of the laboratory test results and the chain-of-custody are included in Appendix C and summarized in Table 3.1. As summarized in Table 3.1, neither of the soil samples submitted for analysis exhibited volatile or semi-volatile-TPH concentrations in excess of the laboratory practical quantitation limit of 5.0 milligram per kilogram (mg/Kg).



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of One Underground Storage Tank  
North Carolina Army National Guard Site  
Winston-Salem, North Carolina  
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#### 4.0 FINDINGS AND RECOMMENDATIONS

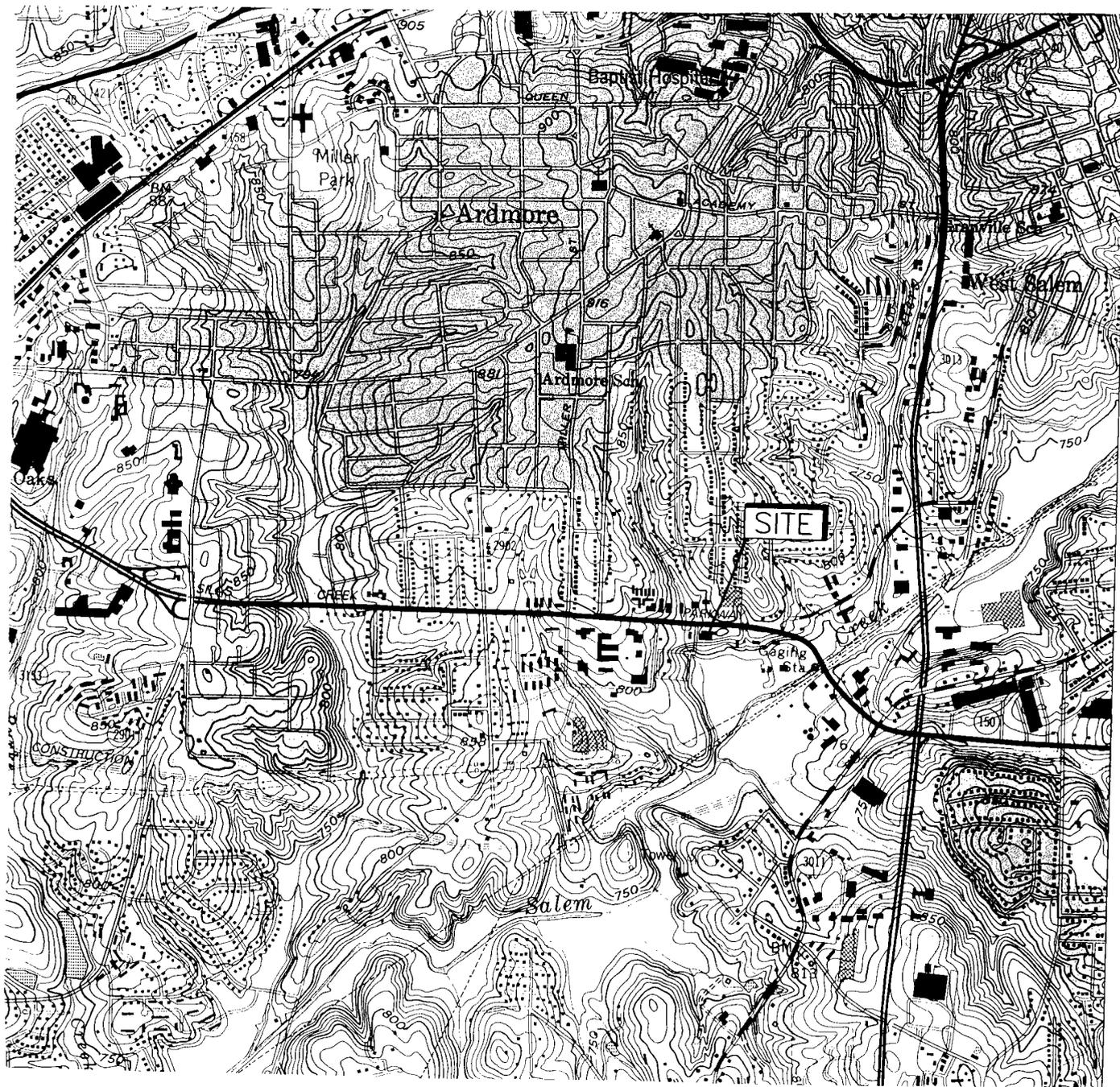
Guidelines for remediation of soil contaminated by petroleum hydrocarbons have been established by the Groundwater Section of the NCDEHNR. The Groundwater Section has established "soil cleanup levels" for soil impacted by releases of petroleum hydrocarbons. The regulatory "action level" is 10 mg/Kg for soils contaminated with volatile TPH (gasoline-related petroleum hydrocarbons) and 40 mg/Kg for soils contaminated with semi-volatile TPH (fuel oil-related petroleum hydrocarbons). As summarized in Table 3.1, neither of the soil samples collected below the UST exhibited volatile or semi-volatile TPH concentrations in excess of the DEHNR's recommended soil cleanup levels. Based upon these analytical results and our field observations, Mid-Atlantic recommends no further assessment or remediation activities at the subject site.

Subsequent to your review and approval of this UST closure document, a copy of the document and the attached form GW/UST-2, Site Investigation Report for Permanent Closure or Change-in-Service of U.S.T. should be forwarded to the Winston-Salem regional office of the DEHNR. A copy of the form has also been included in this document as Appendix D.



**DRAWINGS**





NORTH



WINSTON-SALEM WEST, N. C.  
36080-A3-TF-024

1950  
REVISED 1994  
DMA 4956 III SE - SERIES V842



QUADRANGLE LOCATION

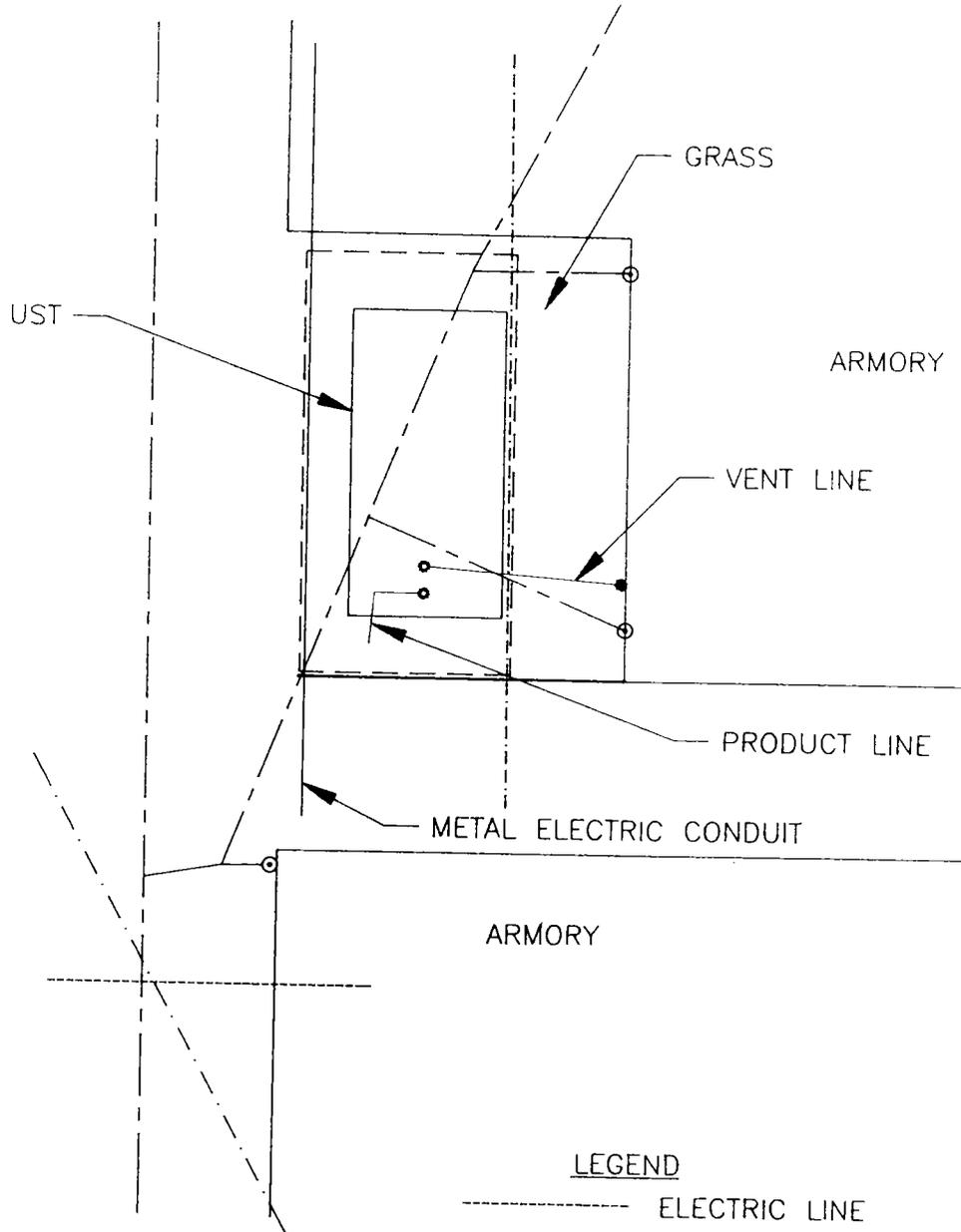
J250J01J

MID-ATLANTIC ASSOCIATES, P.A.  
RALEIGH, NORTH CAROLINA

SITE LOCATION MAP  
NORTH CAROLINA NATIONAL  
GUARD SITE  
WINSTON-SALEM, NORTH CAROLINA

DRAWN: <i>Chis</i>	DATE: AUGUST 1995
DFT CHECK: <i>CWC</i>	SCALE: 1" = 2000'
ENG CHECK: <i>TAP</i>	JOB: MAA-95-250J
APPROVAL:	DWG: 1.1

NORTH



LEGEND

- ELECTRIC LINE
- METHANE VENT PIPE
- STORM SEWER
- EXCAVATION LIMITS
- WATER
- VENT PIPE
- ⊙ ROOF DRAIN

MID-ATLANTIC ASSOCIATES, P.A.  
 RALEIGH, NORTH CAROLINA

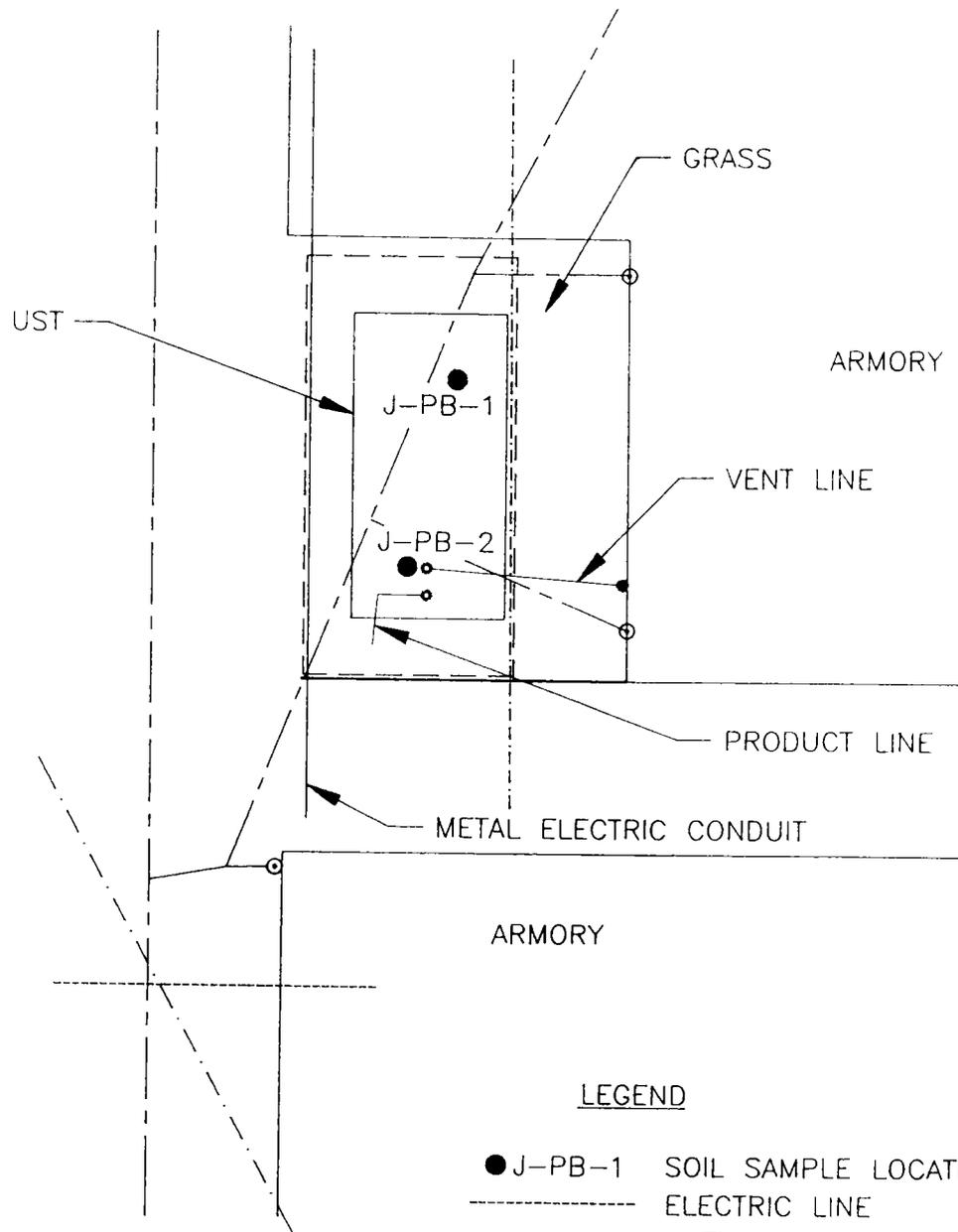
J250J02J

SITE MAP  
 NORTH CAROLINA NATIONAL GUARD SITE  
 WINSTON-SALEM, NORTH CAROLINA

DRAWN: <i>Chub</i>	DATE: AUGUST 1995
DFT CHECK: <i>CK</i>	SCALE: 1" = 10'
ENG CHECK: <i>DMM</i>	JOB: MAA-95-250J
APPROVAL: <i>ZAP</i>	DWG: 2.1

REFERENCE: FIELD NOTES

NORTH



LEGEND

- J-PB-1 SOIL SAMPLE LOCATION
- ELECTRIC LINE
- METHANE VENT PIPE
- STORM SEWER
- EXCAVATION LIMITS
- ..... WATER
- VENT PIPE
- ⊙ ROOF DRAIN

MID-ATLANTIC ASSOCIATES, P.A.  
RALEIGH, NORTH CAROLINA

J250J03J

SOIL SAMPLE LOCATION MAP  
NORTH CAROLINA NATIONAL GUARD SITE  
WINSTON-SALEM, NORTH CAROLINA

DRAWN: <i>Chick</i>	DATE: AUGUST 1995
DFT CHECK: <i>CWC</i>	SCALE: 1" = 10'
ENG CHECK:	JOB: MAA-95-250J
APPROVAL: <i>TAP</i>	DWG: 2.2

REFERENCE: FIELD NOTES

**TABLE**



**TABLE 3.1**  
**SUMMARY OF OVA SCREENING AND LABORATORY ANALYTICAL RESULTS**  
**NC ARMY NATIONAL GUARD SITE**  
**WINSTON-SALEM, NORTH CAROLINA**  
**MID-ATLANTIC JOB NO. MAA-95-250J**

SAMPLE I.D.	DATE COLLECTED	TIME COLLECTED	DATE SUBMITTED TO LABORATORY	SAMPLE DEPTH (FT. BLS)	OVA READING (ppm)	VOLATILE TPH (mg/Kg)	SEMI-VOLATILE TPH (mg/Kg)
J-PB-1	8/11/95	10:40	8/14/95	10'	<1	<5.0	<5.0
J-PB-2	8/11/95	10:50	8/14/95	10'	<1	<5.0	<5.0

**NOTES:**

I.D. Identification  
 BLS Below Land Surface  
 ppm Parts Per Million  
 TPH Total Petroleum Hydrocarbons  
 mg/Kg Milligrams Per Kilogram

**APPENDIX A**

**NOTICE OF INTENT: UST PERMANENT CLOSURE OR CHANGE-IN-SERVICE (GW/UST-3)**



J

(GWUST-3)

Notice of Intent: UST Permanent Closure or Change-In-Service

FOR TANKS IN NC

Return Completed Form To: The appropriate DEM Regional Office according to the county of the facility's location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only I. D. Number Date Received

INSTRUCTIONS

Complete and return thirty (30) days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)

Tank Owner Name: NC Army National Guard (Corporation, Individual, Public Agency, or Other Entity) Street Address: 4105 Reedy Creek Road County: Wake City: Raleigh State: NC Zip Code: 27607-6410 Tele. No. (Area Code): 919/664-6392

II. LOCATION OF TANK(S)

Facility Name or Company Winston-Salem Armory Facility ID # (if available) 0-024323 Street Address or State Road: 2000 Silas Creek Pkwy County: Forsyth City: Winston-Sal Zip Code: 27103 Tele. No. (Area Code): 910/761-5506

III. CONTACT PERSON

Name: Todd Preddy Job Title: Environmental Projects Coordinator Telephone Number: (919) 664-6392

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

- 1. Contact Local Fire Marshall. 2. Plan the entire closure event. 3. Conduct Site Soil Assessments. 4. If Removing Tanks or Closing in Place refer to API Publications. 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks". 5. Provide a sketch locating piping, tanks and soil sampling locations. 6. Fill out form GWUST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation. 7. Keep records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: Mid-Atlantic, P.A. Address: 2737 Bethlehem Road, Raleigh State: NC Zip Code: 27629 Contact: Randy Pulley Phone: 919/250-9918

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Table with columns: TANK ID#, TANK CAPACITY, LAST CONTENTS, PROPOSED ACTIVITY (CLOSURE: Removal, Abandonment in Place; CHANGE-IN-SERVICE: New Contents Stored). Row 1: 001, 6000, Heating Oil, [XX] in Removal, [ ] in Abandonment.

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Todd Preddy Environmental Projects Coordinator \*Scheduled Removal Date: Signature: [Signature] Date Submitted: April 6, 1995

\*If scheduled work date changes notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date

**APPENDIX B**

**CERTIFICATE OF DISPOSAL - UST**



3

# SOUTHERN TANK & ENVIRONMENTAL, INC.

## CERTIFICATE OF DISPOSAL

FEDERAL/CERTIFICATE # 56-1669418/10342 DATE 8/11/95

CONTRACTOR

LOCATION

Evergreen Environmental

National Guard Armory

144 N. Cherry St

Winston-Salem, N.C.

Kernersville, N.C. 27284

TYPE OF TANK

SIZE

CONTENT IN GAL.

TANK ID#

UST 6,000 gallon

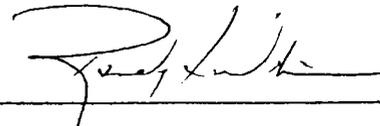
8' x 16'

Less than 1%

STDS-4613

Southern Tank & Environmental, Inc. certifies that the above mentioned tanks have been properly disposed of at 319 Lawyers Rd., Indian Trail, NC, and the contents and sludges processed in full compliance with Local, State and Federal regulations.

Southern Tank & Environmental, Inc.



Randy L. Williams

**APPENDIX C**

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY**



# GeoChem, Incorporated

## Environmental Laboratories

August 25, 1995

Mr. Tom Proctor  
Mid Atlantic Assoc.  
1310 H Corporation Parkway  
Raleigh, NC 27610

Reference: **NCNG Winston Salem UST**  
**J-95-250**  
**GCI# 9508-039 (corrected)**

Dear Mr. Tom Proctor:

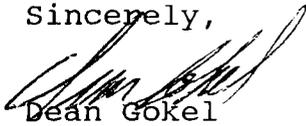
This is the analytical report for the above referenced project. On August 14, 1995 we received two soil samples for analysis. The analytical and quality control results are presented in separate tables for your convenience. Brief summaries of analytical methods employed are as follows. GeoChem analytical reports contain information based strictly on the analysis requested on the chain of custody (COC) accompanying this report. All soil values are calculated using dry weights. Non-target compounds are not identified or quantified. Our clients must request such additional documentation in writing.

### **TPH**

Samples are analyzed by following the California U.S.T. manual. This methodology incorporates EPA purge and trap (meth. 5030) techniques for analysis of volatile fuels such as gasoline. Less volatile fuels such as diesel fuel and kerosene must be extracted using solvents prior to analysis (soils are sonicated, meth. 3550). A standard calibration curve is created from the pure fuel of interest. The standards serve two functions; they create a "finger print" pattern for comparisons and they allow the chemist to calculate the concentration of that fuel analyzed for.

If there are any technical questions please feel free to call me at 919-460-8093. Thank you for allowing **GEOCHEM** to serve your analytical needs.

Sincerely,



Dean Gokel  
President

# GeoChem, Incorporated

## Environmental Laboratories

Geochem (NC #336/SC #99008)

Project#9508-039

1

Site Name NCNG Winston Salem UST

LAB ID.	4083	4084	BLANK
DATE SAMPLED	08/11/95	08/11/95	***
DATE EXTRACTED	08/15/95	08/15/95	08/15/95
FIELD ID.	J-PB-1	J-PB-2	***

### METHOD

ANALYTE	mg/kg	pql	mg/kg	pql	mg/kg	pql
TPH/gas	BDL	5.0	BDL	5.0	BDL	5.0

LAB ID.	4083	4084	BLANK
DATE SAMPLED	08/11/95	08/11/95	***
DATE EXTRACTED	08/15/95	08/15/95	08/15/95
FIELD ID.	J-PB-1	J-PB-2	***

### METHOD

ANALYTE	mg/kg	pql	mg/kg	pql	mg/kg	pql
TPH/diesel	BDL	5.0	BDL	5.0	BDL	5.0

*soil*      *water*  
parts per million = mg/kg      mg/l  
parts per billion = ug/kg      ug/l  
pql = practical quantitation limit due to matrix effects.  
bdl = below method detection limit.  
bql = below quantitation limit.

# GeoChem, Incorporated

## Environmental Laboratories

### QUALITY CONTROL RESULTS

Geochem (NC #336/SC #99008)  
Project#9508-039

Site Name NCNG Winston Salem UST

METHOD	RECOVERY	METHOD DETECTION LIMIT
TPH/gas	86 %	5.0 ppm
TPH/diesel	87 %	5.0 ppm

REVIEWED BY

*Dena J. Barrett*

REVIEWED BY

*Kevin Behr*

Report To: M. J. G. Analytics Associates  
1310 H. Corporation Hwy  
Raleigh NC  
27629

Bill To: Geochem, Incorporated  
Environmental Laboratories  
2500 Gate Way Centre Blvd., Suite 300  
Morrisville, NC 27560

0816

### Chain of Custody Record

PROJECT SITE NUMBER	PO#	NO. OF CONTAINERS PER LOCATION	ANALYSES	GEOCHEM PROJECT #	LAB ID NO. (for lab use only)
V-95-250	95-250		50 ml TPT 50 ml TPT 50 ml TPT	9508-039	4003
SITE NAME: <u>NC Mc Winstan Salem 4st</u>					
COLLECTED BY (Signature): <u>[Signature]</u>					
FIELD SAMPLE ID	TURNAROUND IN DAYS	SAMPLE MATRIX	DATE AND TIME COLLECTED		
V-PB-1	5x hrs	Soil	8-11-95 10:40	Preserve & w/4%	4004
V-PB-2	5x hrs	Soil	8-11-95 10:50		
REMARKS					
RECEIVED BY: <u>[Signature]</u> DATE: <u>8/14 8 AM</u> TIME: <u>8 AM</u>					
RELINQUISHED BY: <u>[Signature]</u> DATE: <u>8/14 8:00 PM</u> TIME: <u>8:00 PM</u>					

**APPENDIX D**

**SITE INVESTIGATION REPORT FOR PERMANENT CLOSURE OR  
CHANGE-IN-SERVICE OF U.S.T**



FOR  
TANKS  
IN  
NC

Return Completed Form To:  
The appropriate DEM Regional Office according to the county of the facility's location.  
[SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only  
I.D. Number \_\_\_\_\_  
Date Received \_\_\_\_\_

**INSTRUCTIONS**

Complete and return within (30) days following completion of site investigation.

**I. Ownership of Tank(s)**

Owner Name: NC Army National Guard  
Corporation, Individual, Public Agency, or Other Entity  
Street Address: 4105 Reedy Creek Road  
County: Wake  
City: Raleigh State: NC Zip Code: 27607-6410  
Telephone Number: (919) 664-6392  
(Area Code)

**II. Location of Tank(s)**

Facility Name: Winston-Salem Armory  
(or Company)  
Facility ID # (if available): 0-024323  
Street Address: 2000 Silas Creek Pkwy  
(or State Road)  
County: Forsyth City: Winston-Salem Zip Code: 27103  
Telephone Number: (910) 761-5506  
(Area Code)

**III. Contact Person**

Name: Todd Preddy Job Title: Env. Proj. Coordinator Tel. No.: 919-664-6392  
Closure Contractor: Evergreen Address: Kernersville, NC Tel. No.: 910-282-6088  
Primary Consultant: Mid-Atlantic ASSOC Address: Raleigh, NC Tel. No.: 919-250-9918  
Lab: Geochem Address: Morrisville, NC Tel. No.: 919-460-8093

**IV. U.S.T. Information**

**V. Excavation Condition**

**VI. Additional Information Required**

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water In Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	6,000	16'x8'	Heating Oil		x		x		x

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

**NOTE:** The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After Jan. 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.

**VII. Check List (Check the activities completed)**

**PERMANENT CLOSURE (For Removing or Abandoning-In-place)**

- Contact local fire marshal.
  - Notify DEM Regional Office before abandonment.
  - Drain & flush piping into tank.
  - Remove all product and residuals from tank.
  - Excavate down to tank.
  - Clean and inspect tank.
  - Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
  - Cap or plug all lines except the vent and fill lines.
  - Purge tank of all product & flammable vapors.
  - Cut one or more large holes in the tanks.
  - Backfill the area.
- Date Tank(s) Permanently closed: 8-11-95  
Date of Change-in-Service: NA

**ABANDONMENT IN PLACE**

- Fill tank until material overflows tank opening.
- Plug or cap all openings.
- Disconnect and cap or remove vent line.
- Solid inert material used - specify: \_\_\_\_\_

**REMOVAL**

- Create vent hole.
  - Label tank.
  - Dispose of tank in approved manner.
- Final tank destination: \_\_\_\_\_

**VIII. Certification (Read and Sign)**

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.

Print name and official title of owner or owner's authorized representative  
Thomas A. Proctor, P.G., Mid-Atlantic

Signature  
TAProctor

Date Signed  
8-31-95