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Winston-Salem
Regional Office

**Underground Storage Tank
Closure Report
Etna Self-Service Station #2
Lexington, North Carolina
July 31, 1996**

Prepared for

**Taylor Oil Company
Winston-Salem, North Carolina**

Prepared by

**Aquaterra, Inc.
Greensboro, North Carolina**

July 31, 1996

Mr. Phillip E. Rhyne
Taylor Oil Company
Post Office Box 5195
Winston-Salem, North Carolina 27103

Reference: Underground Storage Tank Closure Report
 Etna Self-Service Station #2
 Lexington, North Carolina
 Aquaterra Job No. 6304300

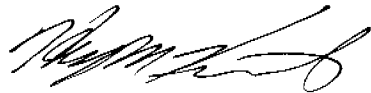
Dear Mr. Durham:

Aquaterra, Inc., (Aquaterra) is pleased to submit this report documenting the underground storage tank (UST) closure activities conducted at the Etna Self-service Station #2 property located on Talbert Boulevard in Lexington, North Carolina. The enclosed report details the field activities conducted, the analytical results, and Aquaterra's conclusions and recommendations.

If any additional information is required, please contact us at (910) 852-5003.

Sincerely,

AQUATERRA, INC.

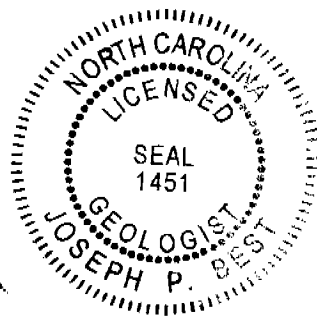


Henry M. Kwiecinski
Project Specialist



Joseph P. Best, P.G.
Project Geologist

GR6074/HMK/JPB/jwk



UNDERGROUND STORAGE TANK CLOSURE REPORT

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:

Taylor Oil Company

2. Owner address and telephone number:

Post Office Box 5195
Winston-Salem, North Carolina 27103
(910) 725-9531

B. Facility Information

1. Facility name:

Etna Self-service Station #2

2. Facility ID #:

NA

3. Facility address, telephone number and county:

905 South Talbert Boulevard
Lexington, Davidson County, North Carolina 27292
(910) 249-6631

C. Contacts

1. Name, address, telephone number and job title of primary contact person:

Phillip E. Rhyne, Vice-President
Taylor Oil Company
Post Office Box 5195
Winston-Salem, North Carolina 27103
(910) 725-9531

2. Name, address, and telephone number of closure contractor:

Arnold Omega
Mike Bradley, Project Manager
205 Stage Coach Trail
Greensboro, North Carolina 27409
(910) 299-5220

3. Name, address, and telephone number of primary consultant:

Aquaterra, Inc.
Susan Kite, P.G., Senior Project Manager
4600 Dundas Drive, Suite 105
Greensboro, North Carolina 27407
(910) 852-5003

4. Name, address, telephone number, and State certification number of laboratory

Research & Analytical Laboratories, Inc.
106 Short Street
Kernersville, North Carolina 27284
Telephone: (910) 996-2841
North Carolina Certification Number: 34

D. UST Information

1. Tank no.

UST-1

2. Installation Dates

UST-1: Unknown

3. Size in Gallons

UST-1: 8,000 gallons

4. Tank Dimensions

UST-1: 8' by 21'4"

5. Last Contents

UST-1: Kerosene

6. Previous Contents (if any)

None

E. Site Characteristics

1. Describe any past releases at this site:

None

2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation:

The facility is currently active as a retail petroleum station and convenience store.

3. Describe surrounding property use (for example, residential, commercial, farming, etc.)

The site is located in Lexington, North Carolina (see Figure 1). The surrounding land use is a mixture of undeveloped, residential, commercial, and light industrial.

4. Describe site geology/hydrogeology

The site is located in the Charlotte Belt of the Piedmont physiographic province. According to the 1985 Geologic Map of North Carolina the site is underlain by metamorphosed mafic rock.

II. Closure Procedures

A. Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks:

Notified Davidson County Public Health Department.

Notified Local Fire Department.

Removed petroleum products from UST.

Oxygen content and Lower Explosive Limit (LEL) of the internal atmosphere of the UST were measured using an Oxygen/LEL meter.

B. Note the amount of residual material pumped from the tank(s):

A total of 52 gallons of a petroleum-water mixture was removed from the UST (see Appendix B for manifest).

C. Describe the storage, sampling and disposal of the residual material:

Residual material was disposed of by agents operating on behalf of Arnold Equipment (see Appendix B for manifest).

D. Excavation

1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:

Cover material was removed to expose the top of the UST and associated piping. The piping was disconnected and all openings were plugged. The excavation was extended to the bottom of the UST. The soil removed during the excavation was stockpiled either for possible use as backfill or for later disposal. The dimensions of the initial excavation were approximately 29 feet long by 16 feet wide by 11 feet deep. Following receipt of the analytical data from the closure samples, which indicated limited impact to soil, additional soil was removed vertically from the northern half of the excavation. The final depth of the excavation in the northern half was 14 feet (see Figure 2).

2. Note the depth of tank burial(s) (from land surface to top of tank):

The UST was buried approximately 1 foot below grade.

3. Quantity of soil removed:

A total of 73.32 tons of petroleum-impacted soil was removed from the excavation.

4. Describe soil type(s):

The soil encountered in the excavation was a light grey sandy silt fill material and a red-orange fine sandy silt residuum.

5. Type and source of backfill used:

Backfill for the UST excavation was supplied by Arnold Omega.

E. Contaminated Soil

1. Describe how it was determined to what extent to excavate the soil:

The extent of soil excavation was based on photoionization detector (PID) readings and laboratory analytical results.

2. Describe method of temporary storage, sampling and treatment/disposal of soil:

Excavated soils were stockpiled on plastic in accordance with DEM guidelines for later disposal.

III. Site Investigation

- A. Provide information on field screening and observations, include methods used to calibrate field screening instrument(s):

During the excavation activities, representative soil samples were subjected to headspace screening using a PID that had been calibrated in accordance with the manufacturer's instructions. Results of headspace screening were used to determine the extent of potential petroleum contamination.

- B. Describe soil sampling points and sampling procedures used, including:

A total of three soil samples (S-1, S-2, and S-3) were collected from approximately 2 feet below the bottom of the UST following initial excavation. In addition, two composite soil samples (S-4 and S-5) were collected from the stockpiled soil. The collected soil samples were submitted to Research & Analytical Laboratories, Inc., (R&A) for analysis for total petroleum hydrocarbons (TPH) using EPA Methods 3550 and 5030. Due to the detection of tph concentrations in excess of regulatory standards, additional excavation activities were conducted. Following additional excavation activities, soil sample S-6 was collected approximately 2 feet below the bottom of the final excavation and submitted to R&A for TPH analysis according to Methods 3550 and 5030. The results of laboratory analyses of these soil samples are summarized in Table 1. For safety reasons, soil samples collected from the excavation were obtained using the backhoe bucket.

- C. Describe groundwater or surface water sampling procedures used, including:

N/A

D. Quality control measures

- Describe sample handling procedures including sample preservation and transportation

Soil samples selected for laboratory analysis are collected into laboratory provided containers appropriate for the parameters being analyzed and are labeled with a minimum of the following information: sampler's name, date of collection, sample number, analysis to be performed, and project number. In order to prevent cross-contamination of samples, clean, new nitrile gloves are worn during sample collection and are changed between samples. Soil samples are stored and transported to the analytical laboratory in an insulated cooler chilled to approximately 4°C. To ensure sample integrity, all samples are transported in accordance with EPA chain-of-custody protocols.

- Describe decontamination procedures used

The decontamination procedures outlined below are used for field equipment (e.g., hand augers, split spoon sampling device, trowels) that comes into direct contact with the material being sampled and that is used more than once at a particular site.

1. Phosphate-free soap (Alconox or equivalent) and distilled water rinse (Note: If the equipment becomes contaminated with oils or other possible organic residues, then the equipment will be washed with isopropyl alcohol.)
2. Triple distilled water rinse

- Describe time and date samples were collected and date submitted to lab

Soil samples S-1 through S-5 were collected on May 30, 1996, between 9:50 AM and 10:05 AM. Soil sample S-6 was collected at 12:30 PM on June 3, 1996. All soil samples were transferred to the laboratory on the day of collection.

- Describe samples collected for quality control purposes (e.g. duplicates, field blanks, trip blanks, etc.) Include methods used to obtain these samples and analytical parameters.

N/A

- Discuss how results of quality control samples may have affected your interpretation of soil, groundwater or surface water sample results

N/A

E. Investigation results

- Describe results of Site Sensitivity Evaluation (SSE), (if SSE was not conducted, explain why not)

Final analytical results did not indicate TPH concentrations in excess of the action levels specified for SW-846 Methods 5030 and 3550. Therefore, an SSE was not conducted.

- Describe methods of analyses used (include U.S. EPA method number)

The analytical methods used were SW-846 Methods 3550 and 5030.

- Describe analytical results for samples; discuss in relation to site specific cleanup level or action level, as appropriate.

Analytical results for the soil samples S-2, S-3, and S-6 were below detection limits (BDL) for both analytical methods. Sample S-1 was reported with TPH concentrations of 33.4 mg/kg (Method 5030) and 253 mg/kg (Method 3550); sample S-4 was reported with TPH concentrations of 28.1 mg/kg (Method 5030) and BDL (Method 3550); sample S-5 was reported with TPH concentrations of BDL (Method 5030) and 50.7 mg/kg (Method 3550).

IV. Conclusions and Recommendations

Include probable sources of contamination, further investigation or remediation tasks, or whether no further action is required.

Based on the laboratory analytical results, it appears that impacted soils have been removed from the site. Therefore, Aquaterra does not recommend any further action for this site. A copy of this report should be forwarded to:

Ms. Sherri Knight
North Carolina Department of Environment,
Health, and Natural Resources
Division of Environmental Management
Winston-Salem Regional Office
585 Waughtown Street
Winston-Salem, North Carolina 27101

VI. Enclosures

A. Figures

1. Site Location Map
2. Site Plan/ Soil Sample Location Map

B. Tables

1. Sample identifications with results

C. Appendices

Appendix A: Site Investigation Report for Permanent Closure or Change-in-Service of UST (GW/UST-2)

Appendix B: Certificate of tank disposal/ Manifest for residual material

Appendix C: Copy of soil disposal manifests

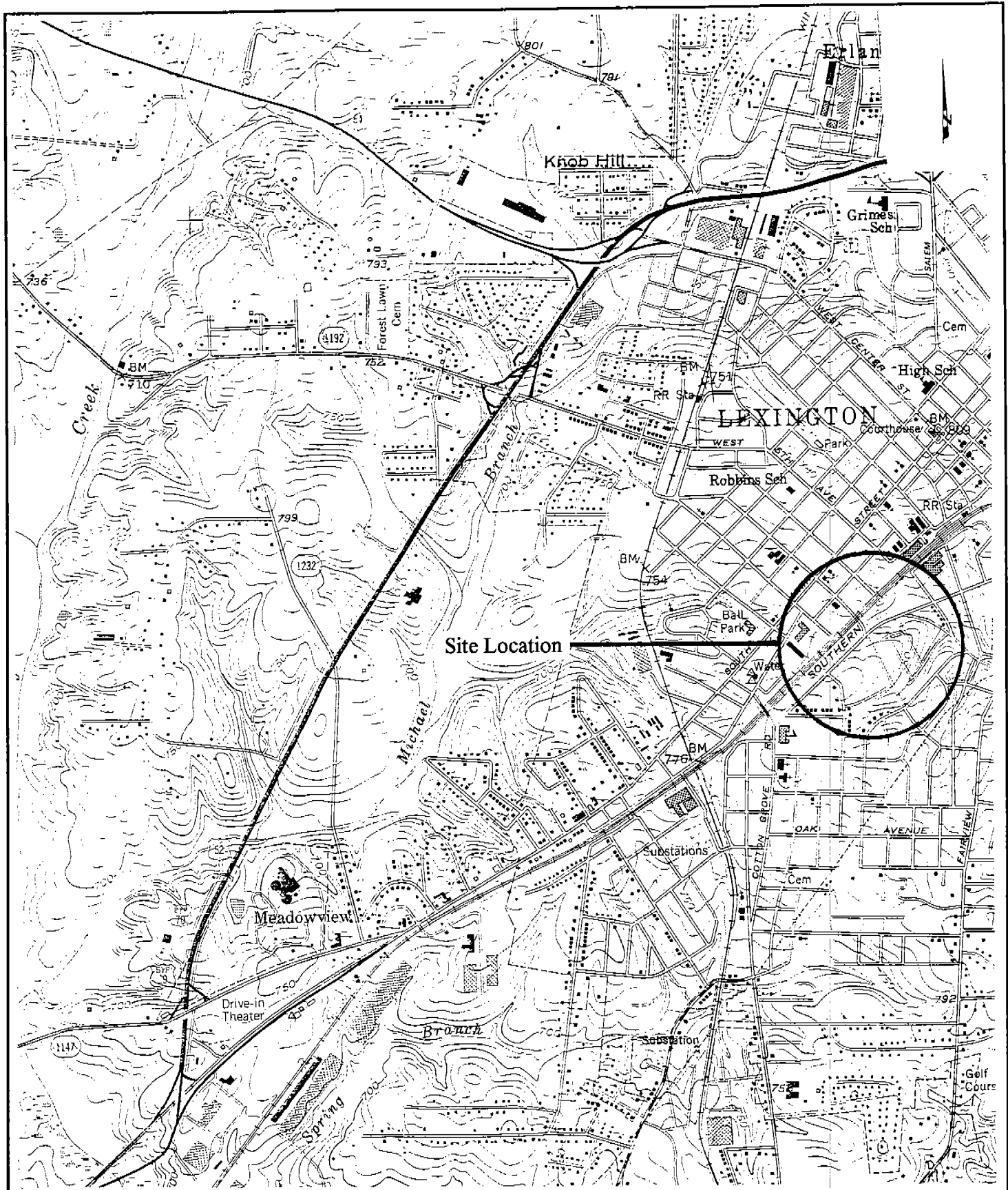
Appendix D: Copy of all laboratory analytical records

Appendix E: Site Photographs

V. Signature of Professional Engineer or Licensed Geologist

Professional Engineer Registration #:

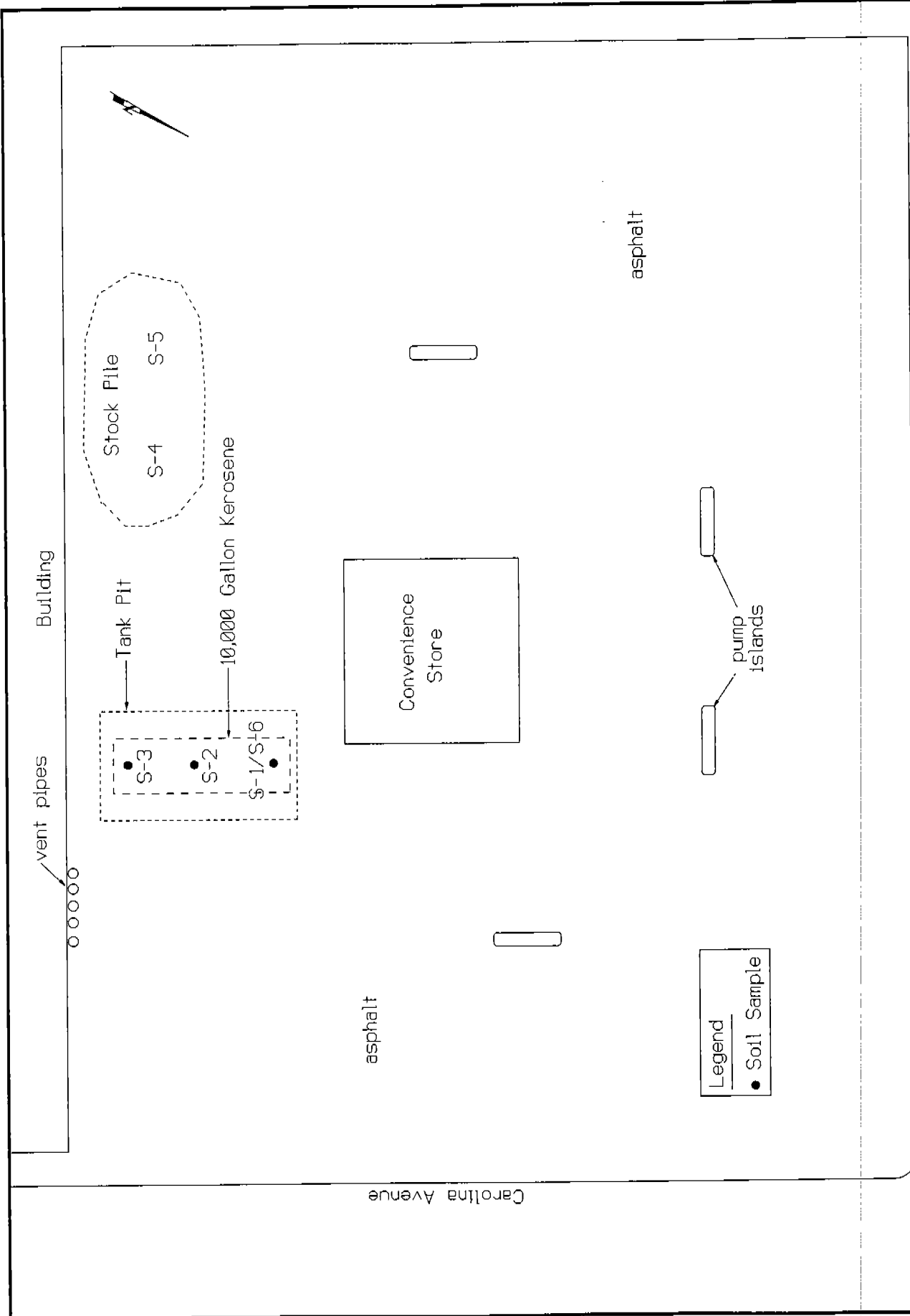
Licensed Geologist License #:



Site Location



Author HMK	Drawing	Layers	Date 7-31-96	Title Site Location Map
Job No. 6304300	Revision	Figure 1	Scale 1"=2,000'	Project Etna Self-service Station #2 Lexington, North Carolina



Talbert Blvd

 A GREAT LAKES CHEMICAL CORPORATION COMPANY	Author DMS	Drawing 63043-1	Layers 1,2	Date 08/12/96	Title Soil Sample Location Map
	Job No. 6304300	Revision 000	Figure 2	Scale 1"=20'	Project Etna Self-Service Station #2 Lexington, North Carolina

**Table 1. Soil Sample Analytical Results. Etna Self-Service Station #2.
Lexington, North Carolina.**

	<i>Method 3550</i>	<i>Method 5030</i>
S-1	253.0	33.4
S-2	<20.0	<10.0
S-3	<20.0	<10.0
S-4	<20.0	28.1
S-5	50.7	<10.0
S-6	<20.0	<10.0

FOR
NANKS
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)

II. Location of Tank(s)

Owner Name *Taylor Oil Company*
(Corporation, Individual, Public Agency, or Other Entity)
Address *Post Office Box 5195*
Forsyth
County *Winston Salem NC 27408*
City *Winston Salem* State *NC* Zip Code *27408*
Area Code *910* Telephone Number *725 9531*

Facility Name or Company *Etna #2*
Facility ID # (if available) _____
Street Address or State Road *905 South Talbert Boulevard*
County *Davinson Lexington* City *Lexington* Zip Code *27292*
Area Code *910* Telephone Number *249 6631*

III. Contact Person

Name *Phillip E Rhyme* Job Title *Vice President* Telephone No. (Area Code) *910 725 9531*
Closure Contractor *Arnold Omega* *205 Stagecoach Trail GSO NC* Telephone No. (Area Code) *910 299 5220*
Lat *R & A* *106 Short Street Kernersville NC* Telephone No. (Area Code) *910 996 2891*

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	8,000	8'x21'4"	Kerosene		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.

VII. Check List

Check the activities completed.

- 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: *6/3/96*
Date of Change-in-Service: _____

- 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

Signature

Date Signed

Henry M Kwiczanski (Agent for Taylor Oil)

[Signature] Agent

6/2/96



SOIL SOLUTIONS

CERTIFICATE OF ACCEPTANCE

Soil Solutions, Inc. does hereby certify that approximately 73.32 tons of nonhazardous hydrocarbon contaminated material were received on 06/18/96 from:

Generator: Four Seasons Environmental, Inc.

Originating at: Etna/Citgo Stores Lexington, High Point,
Whiteville and Kingston, North Carolina

SSI Waste ID#: SF069622

This non-hazardous petroleum hydrocarbon material has been accepted by Soil Solutions, Inc. and will be remediated in their Soil Treatment Facility in Winston-Salem, North Carolina through biodegradation. Soil Solutions, Inc. guarantees the petroleum hydrocarbon contaminated material will be treated to below regulatory standards as set by the North Carolina Department of Environment, Health and Natural Resources for clean soil.

Signature

Anthony H. Disher, President

Name/Title

Soil Solutions, Inc.

Date 06 / 18 / 96



SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Truck # PA 20

Load # 3

No 4024

GENERATOR INFORMATION

Generator: Four Seasons Environmental

Phone: 910-273-2718

Site Address: PO Box 16590

Greensboro NC 27416

Contact: _____

Material Description	Contaminant	Units	Weight Certification/Quantity
<u>Petroleum Impacted Soil</u>	<u>Gasoline</u> <u>Diesel Fuel</u>	<u>Tons</u>	<u>28030 = 14015 TONS</u>
<u>Etan Ridge 905 South</u>		<u>Yds³</u>	
<u>Tullam Blvd Lexington NC</u>		<u>Drums</u>	

CARRIER INFORMATION

Carrier: Burkhart Hauling Co.

Phone: 704-219-7926

1731 City Lake Road

Lexington NC 27292

Contact: Karroll Burkhart

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature]

Date: 06/18/96

RECEIVER INFORMATION

SOIL SOLUTIONS, INC.
1703 Vargrave Street
Winston-Salem, NC 27107

SSI Project #: _____

Phone: 910-725-5844

Contact: Jon Koryan

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: _____

Date: 6-18-96

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Truck # 25 Load # 4 No 4025

GENERATOR INFORMATION

Generator: Four Seasons Environmental Phone: 910-273-2718
 Site Address: PO Box 16590
Greensboro NC 27416 Contact: _____

Material Description	Contaminant	Units	Weight Certification/Quantity
Petroleum Impact 1 Soil	Gasoline Diesel Fuel	Tons	56740
Etan K-70 905 South		Yds ³	24506
Tribol. + Blvd Lexington NC		Drums	32.240 = 1612 TONS

CARRIER INFORMATION

Carrier: Berkhert Hauling Co. Phone: 704-249-7926
1731 City Lake Road
Lexington NC 27292 Contact: Rowell Berkhert

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: Rowell Berkhert Date: 6-18-96

RECEIVER INFORMATION

SOIL SOLUTIONS, INC.
 1703 Vargrave Street
 Winston-Salem, NC 27107

SSI Project #: _____
 Phone: 910-725-5844
 Contact: Jon Ransom

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: HERBERT BLOE Date: 6-18-96

White/Facility Canary/Invoice Goldenrod/Generator Pink/Carrier

SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Truck #

25

Load #

2

No 4023

GENERATOR INFORMATION

Generator: Four Seasons Environmental

Phone: 910-273-2718

Site Address: Po Box 16590

Greensboro NC 27416

Contact: _____

Material Description	Contaminant	Units	Weight Certification/Quantity
Petroleum Impacted Soil	Gasoline	Tons	57.560
Etan / City 905 South	Diesel fuel	Yds ³	24.500
Talbot Blvd Lexington NC		Drums	33.060 = 10.53 TONS

CARRIER INFORMATION

Carrier: Burkhart Hauling Co.

Phone: 704-249-7726

1731 City Lake Road

Lexington NC 27292

Contact: Karlall Burkhardt

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: Karlall Burkhardt

Date: 6-18-96

RECEIVER INFORMATION

SOIL SOLUTIONS, INC.
1703 Vargrave Street
Winston-Salem, NC 27107

SSI Project #: _____

Phone: 910-725-5844

Contact: John Radson

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: _____

Date: 06-18-96

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Truck #

PA 20

Load #

2

No 4022

GENERATOR INFORMATION

Generator: Four Seasons Environmental

Phone: 910-273-2718

Site Address: PO Box 16590

Greensboro NC 27416

Contact: John Richardson

Material Description	Contaminant	Units	Weight Certification/Quantity
Petroleum Impacted Soil	Gasoline	Tons	600
Etna/Citgo 705/South	Diesel Fuel	Yds ³	11000 Lumps oil
Talbot Blvd Lexington NC		Drums	29600 = 1480 TONS

CARRIER INFORMATION

Carrier: Burkhart Hauling Co.

Phone: 704-249-7926

1931 City Lake Road

Lexington NC 27292

Contact: Ronald Burkhardt

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature]

Date: 06/18/96

RECEIVER INFORMATION

SOIL SOLUTIONS, INC.
1703 Vargrave Street
Winston-Salem, NC 27107

SSI Project #:

Phone: 910-725-5844

Contact: Jon Kohnert

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [Signature]

Date: 6-18-96

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

(LAST LOAD)

SOIL SOLUTIONS, INCORPORATED

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Truck # W 70 Load # 5 No 4021

GENERATOR INFORMATION

Generator: SOIL SOLUTIONS ENVIRONMENTAL Phone: 703 273-2718

Site Address: PO Box 16590

GREENSBORO NC

Contact: _____

Material Description	Contaminant	Units	Weight Certification/Quantity
<u>TRACER BOND</u>	<u>CRUDE OIL</u>	Tons	<u>11.83 TONS</u>
<u>LEVINGTON NC</u>	<u>DIESEL FUEL</u>	Yds ³	<u>23600 =</u>
		Drums	

CARRIER INFORMATION

Carrier: BURKHETT HAULING CO

Phone: 704 249-7776

1931 CRYSTAL LAKE RD

LEVINGTON NC 27092

Contact: RONNIE BURKHETT

As the carrier, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured, and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Carrier Signature: [Signature]

Date: 06/18/96

RECEIVER INFORMATION

SOIL SOLUTIONS, INC.
1703 Vargrave Street
Winston-Salem, NC 27107

SSI Project #: _____

Phone: 910 725-5844

Contact: TOM RANSOM

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: [Signature]

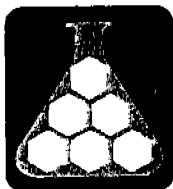
Date: 6-18-96

White/Facility

Canary/Invoice

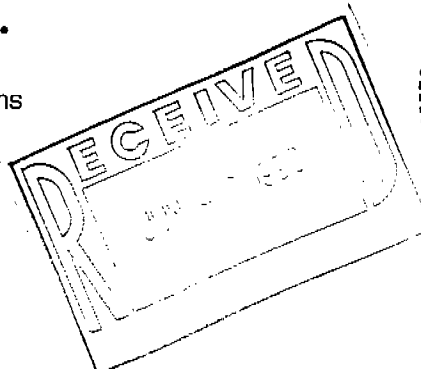
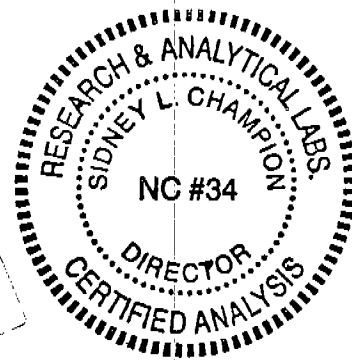
Goldenrod/Generator

Pink/Carrier



RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations



31 May 1996

Aquaterra
4600 Dundas Drive
Greensboro, NC 27407

Attention: Susan Kite

Project Number: 6304300
Project Name: Etna Lexington

<u>Sample Number</u>	<u>Date Taken</u>	<u>Time (hrs)</u>	<u>Sample Location</u>	<u>RAL Sample#</u>	<u>EPA* Method</u>	<u>Results (ppm)</u>
S-1	5/30/96	0950	Pit Bottom	271591	5030 3550	33.4 253
S-2	5/30/96	1000	Pit Bottom	271592	5030 3550	<10 <20
S-3	5/30/96	1010	Pit Bottom	271593	5030 3550	<10 <20
S-4	5/30/96	0955	Stockpile	271594	5030 3550	28.1 <20
S-5	5/30/96	1005	Stockpile	271595	5030 3550	<10 50.7

EPA Method 5030 = Total Petroleum Hydrocarbons as Gasoline
 3550 = Total Petroleum Hydrocarbons as Diesel
 ppm = parts per million
 < = less than or below detection limits
 * = data pending



INDUSTRIAL & ENVIRONMENTAL ANALYTICALS INC.
3000 WESTON PKWY.
CARY, N.C. 27513

CHAIN OF CUSTODY RECORD

REGULATORY CLASSIFICATION - PLEASE SPECIFY

NPDES DRINKING WATER RCRA OTHER

NO: 12483

TPH AQUATERRA-DBS PG150

PROJECT ID	PROJECT NAME	CONTAINERS			MATRIX		REQUESTED PARAMETERS	
		#	OF	IN	SOIL	WATER	DATE	TIME
6304300	Ftma hexington	1			X			
		1			X		271591	
		1			X		592	
		1			X		593	
		1			X		594	
		1			X		595	

ELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	5/30/96	11:50	<i>[Signature]</i>	5/30	11:50

PROJECT MANAGER (PLEASE PRINT)	P.O. NO.
Susan Kite	GNC 4164

IEA QUOTE NO.	IEA RUSH NO.

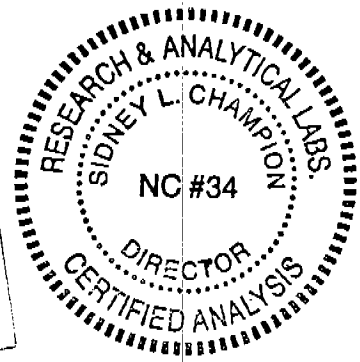
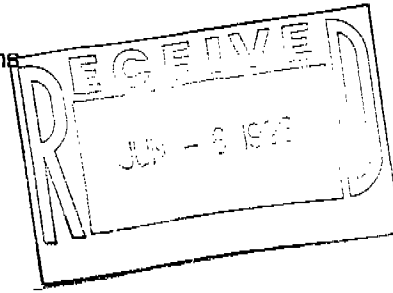
24 hour turnaround ←

Aquaterra, Inc. Greensboro
852 5003 Ex 8549199



RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations



4 June 1996

Aquaterra
4600 Dundas Drive
Greensboro, NC 27407

Attention: Susan Kite

Project Number: 6304300
Project Name: Etna Lexington

<u>Sample Number</u>	<u>Date Taken</u>	<u>Time (hrs)</u>	<u>Sample Location</u>	<u>RAL Sample#</u>	<u>EPA Method</u>	<u>Results (ppm)</u>
S-6	6/3/96	1230	Soil	271842	5030 3550	<10 <20

EPA Method 5030 = Total Petroleum Hydrocarbons as Gasoline
 3550 = Total Petroleum Hydrocarbons as Diesel
 ppm = parts per million
 < = less than or below detection limits



ENVIRONMENTAL LABORATORIES

Aquatica Inc.
Greensboro NC

910 822 5005
fax 854 9199

TPH AQA 16 NA - 065
pg 152

322945

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Etha Lexington
Address: Talbert Rd
Lexington NC

Report To: Susan Kite
Bill To: same

Pace Client No. X
Pace Project Manager X
Pace Project No. X

P.O. # / Billing Reference

Project Name / No. 6304300

*Requested Due Date:

Sampled By (PRINT):

Henry M Rwieanski

Sampler Signature [Signature]
Date Sampled 02/18/02

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS
						UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	S-6	2:50	Soil		1					5550	24 hr TA
2											
3											
4											
5											
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD	RETURNED DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
						S. Smith	2/13/02	1330

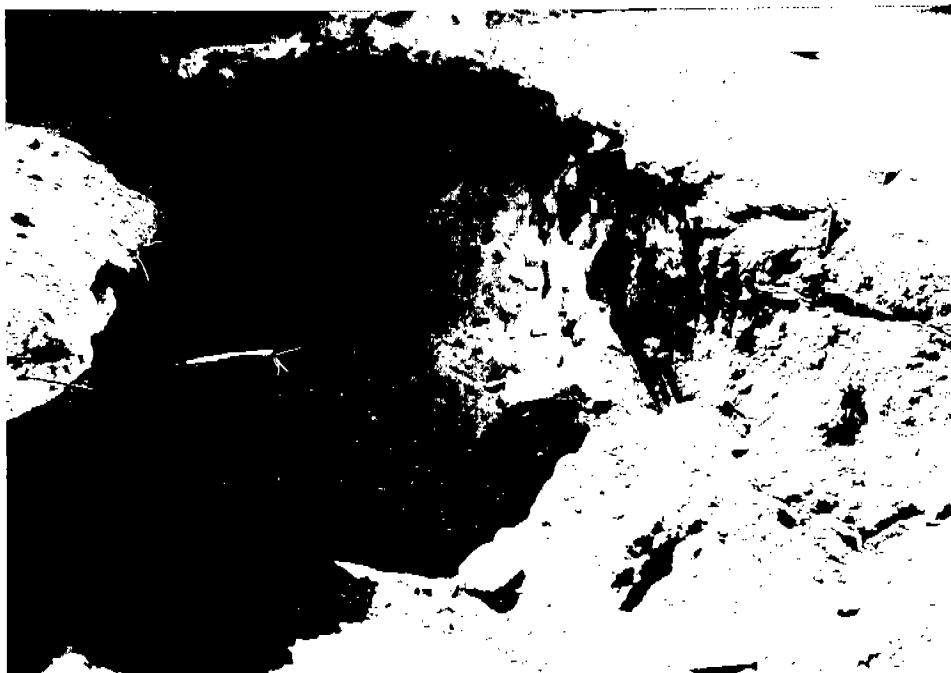
Additional Comments

24 hr TA

SEE REVERSE SIDE FOR INSTRUCTIONS



UST excavation area



UST excavation



<i>Author</i>	<i>Drawing</i>	<i>Layers</i>	<i>Date</i> 7-31-96	<i>Title</i> Site Photographs
<i>Job No.</i> 6304300	<i>Revision</i>	<i>Figure</i>	<i>Scale</i>	<i>Project</i> Etna Self-service Station Lexington, North Carolina



Stockpiled soil



UST excavation following additional soil removal



<i>Author</i>	<i>Drawing</i>	<i>Layers</i>	<i>Date</i> 7-31-96	<i>Title</i> Site Photographs
<i>Job No.</i> 6304300	<i>Revision</i>	<i>Figure</i>	<i>Scale</i>	<i>Project</i> Etna Self-service Station Lexington, North Carolina