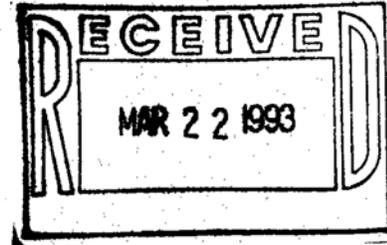


CAROLINA BUSINESS CENTER
2848 I-85 SOUTH, SUITE H
CHARLOTTE, NC 28208
(704) 394-6913
1-800-395-5220
FAX: (704) 394-6968

March 19, 1993

Ms. Kelly C. Gage
Guilford County Department of
Emergency Services
P.O. Box 18807
Greensboro, North Carolina 27419



RE: Tank Closure Assessment Report
Gate City Truck Repair
Facility ID Number 010064
Shield Number 920278.204

Dear Ms. Gage,

Enclosed please find two bound copies of the above referenced report. If you have any comments or questions, please call Burt Brown or myself.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lynn M. Trenning".

Lynn M. Trenning
Project Coordinator

*extension on 45 day
report until
April 15, 1993*

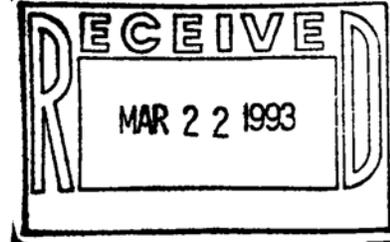
*3/24
KCG*



CAROLINA BUSINESS CENTER
2848 I-85 SOUTH, SUITE H
CHARLOTTE, NC 28208
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1-800-395-5220
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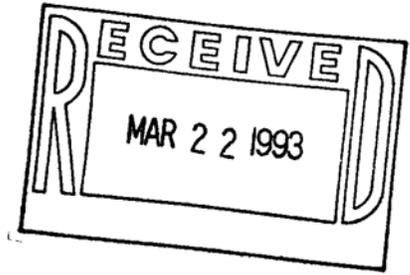
A handwritten signature in cursive script, appearing to read "Lynn M. Trenning".

Lynn M. Trenning
Project Coordinator

*extension on 45 day
report until
April 15, 1993*

*3/24
KLG*





**TANK CLOSURE ASSESSMENT REPORT
GATE CITY TRUCK REPAIR
GUILFORD COUNTY
GREENSBORO, NORTH CAROLINA
SHIELD NUMBER 920278.204**

March 16, 1993

For:

Adams Kleemeier Hagan Hannah and Fouts
Greensboro, North Carolina

By:

Shield Environmental Associates, Inc.
Carolina Business Center
2848 I-85 South, Suite H
Charlotte, NC 28208

Written By:

A handwritten signature in cursive script that reads "H. Burt Brown".

H. Burt Brown
Project Manager

Reviewed By:

A handwritten signature in cursive script that reads "John M. Brown".

John M. Brown, P.G.
License Number 1013

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- Figure 2: Site Plan
- Figure 3: Stockpiled Soils

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- Table 1: Laboratory Analytical Results for Pit Water Samples
- Table 2: Laboratory Analytical Results for Soil Samples

APPENDICES

- Appendix A: NCDEM Form GW/UST-3
- Appendix B: Greensboro Fire Department Permit and City Privilege License
- Appendix C: Transportation Manifest and Tank Disposal Certificate
- Appendix D: NCDEM Form GW/UST-2
- Appendix E: Laboratory Reports with Chain of Custody Documentation.

1.0 INTRODUCTION

1.1 Background

In December 1992, Shield Environmental Associates, Inc. (Shield) was retained by the law firm of Adams Kleemeier Hagan Hannah and Fouts to excavate and remove three petroleum underground storage tanks (USTs) from the Gate City Truck Repair facility located at 6301 Burnt Poplar Road, Greensboro, North Carolina (see Figure 1). Shield was also contracted to oversee disposal of the tanks and tank contents, conduct UST closure sampling and prepare a UST closure report. The following report addresses the UST closure activities, sampling, laboratory analytical results, and our conclusions and recommendations regarding the site.

1.2 UST Capacities, Contents, Locations and Ages

The three USTs removed consisted of a 10,000 gallon diesel fuel tank that measured 16.5 feet in length by 10 feet in diameter, a 500 gallon gasoline tank that measured 6.5 feet in length by 3 feet in diameter and a 500 gallon used oil tank that measured 6.5 feet in length by 3 feet in diameter. The diesel fuel and gasoline USTs were located adjacent to the pump island immediately west of the repair shop (see Figure 2). The used oil UST was located at the northwest corner of the repair shop. At the time of removal these USTs were approximately 17 years old.

1.3 Notification of Intent to Remove the USTs

Shield completed and filed a Notice of Intent for permanent UST closure with the Guilford County Department of Public Health, Division of Environmental Health on December 22, 1992. (see Appendix A, Form GW/UST-3)

Shield also contacted the Greensboro Fire Department on January 22, 1993 and notified them that the USTs would be removed on January 26, 1993. On January 25, 1993 Shield applied for and received a permit from the Greensboro Fire Department and a City Privilege License for the removal of the USTs (see Appendix B).

2.0 FIELD ACTIVITIES

2.1 UST Removal and Tank Disposal

On January 24, 1993, all remaining product from the USTs was pumped out by L & M Environmental Services, Inc. (L & M) of High Point, North Carolina. L & M informed Shield

that they had collected approximately 438 gallons of product from the used oil UST, 397 gallons of gasoline and water from the gasoline UST and 143 gallons of diesel fuel from the diesel UST. On January 25, 1993, Shield mobilized an environmental technician and an equipment operator to the Gate City Truck repair site. Upon arrival, the tops of the USTs were uncovered. The depths to the top of the USTs were all approximately 3 feet below the ground surface.

On January 26, 1993, Shield inerted the USTs with dry ice. The tanks were checked with an explosion meter and all readings were less than 4 percent of the lower explosion limit. The vent and fill ports were plugged on the USTs, and the USTs were excavated and removed. Groundwater was encountered at approximately 8 to 10 feet below grade in the diesel and gasoline tank excavation pits. Groundwater was not encountered in the used oil tank excavation pit. After removal, the USTs were transported by Safeway Tank Disposal, Inc. for proper disposal (see Appendix C for Transportation Manifest and Tank Disposal Certificate).

Gasoline and diesel odors were noted during the excavation and removal of the USTs. Soil discoloration was evident around the diesel tank. An organic vapor analyzer (OVA) was used to screen selected soil samples surrounding the USTs for volatile organic compounds (VOCs). Soils were collected from the trackhoe bucket, and glass jars were filled halfway with the soils. The jars were then covered with aluminum foil, which allowed any organic vapors to volatilize in the headspace. Headspace OVA readings ranged from 500 to 3,700 parts per million (ppm) VOCs around the gasoline UST, from 200 to 1,200 ppm VOCs around the diesel UST and from 4 to 11 ppm VOCs around the used oil UST.

Shield personnel inspected the USTs and noted an approximately 1 inch diameter hole in the bottom of the diesel UST beneath the fill pipe. There were several small (0.625-inch) holes and heavy pitting in the gasoline UST. The used oil UST was in good condition with only slight pitting and no visible holes. The final dimensions of the diesel tank excavation pit measured 20 feet wide by 25.5 feet long by 10 feet deep. The final dimensions of the gasoline tank excavation pit measured 10.5 feet wide by 14 feet long by 8 feet deep. The final dimensions of the used oil tank excavation pit measured 10 feet wide by 15 feet long by 6 feet deep.

A site investigation report for permanent closure was submitted to NCDEM by Shield (see Appendix D for GW/UST-2 form).

2.2 UST Closure Sampling and Soil Stockpiling

Since groundwater infiltrated the diesel and gasoline UST pits, Shield personnel collected pit water samples instead of soil samples. One sidewall soil sample was also collected from these excavation pits to assess the petroleum hydrocarbon contamination approximately 1 foot above

groundwater. Two soil samples were collected from beneath the used oil UST at approximately 7 feet below the ground surface; one at each end of the UST.

All soil samples were collected from a trackhoe bucket, and the pit water samples were collected using disposable bailers. After collection, the samples were transferred to laboratory provided glassware labeled with sample number, date, time, analysis to be performed, and the sampler's name. The samples were then placed in a cooler filled with ice, chilled to approximately 4 degrees centigrade, and transported to the analytical laboratory using EPA approved chain-of-custody procedures.

At the laboratory, soil samples A1S and B1N were analyzed for total petroleum hydrocarbons (TPH) compounds by gas chromatograph (GC) according to SW-846 Extraction Methods 3550 and 5030. The two soil samples collected from beneath the used oil UST, C1N and C1S, were analyzed for oil and grease according to EPA Method 9071. The two pit water samples, PitW-1 and PitW-2, were both analyzed for purgeable halocarbon compounds according to EPA Method 601, purgeable aromatic compounds according to EPA Method 602 including total xylenes and MTBE, and semivolatile organics by EPA Method 625AB (see Figure 2 for UST and sample locations).

Approximately 200 tons of soil that appeared to be affected by petroleum hydrocarbons were stockpiled immediately south of the fence line (see Figure 3). The soils were placed on and covered with polyethylene sheeting. Two composite samples, Comp-1 and Comp-2, were collected from the stockpiled soils according North Carolina Department of Environment, Health and Natural Resources (NCDEHNR) guidelines. The soil samples were collected using a decontaminated hand auger and were composited in the field. These soil samples were collected, labeled and transported to the analytical laboratory as previously described. These stockpiled soil samples were analyzed for TPH by GC according to SW-846 Extraction Methods 3550 and 5030. The excavation pits were subsequently backfilled using "clean" soil material.

2.3 Laboratory Analytical Results

Laboratory analysis of the pit water sample collected from the diesel tank, PitW-1, exhibited 50 $\mu\text{g/L}$ naphthalene, 70 $\mu\text{g/L}$ phenanthrene and 40 $\mu\text{g/L}$ fluorene. Water sample PitW-2, collected from the gasoline tank pit exhibited 590 $\mu\text{g/L}$ naphthalene, 120 $\mu\text{g/L}$ 2,4-dinitrophenol, 150 $\mu\text{g/L}$ 1,2-dichloroethane, 5,300 $\mu\text{g/L}$ benzene, 21,000 $\mu\text{g/L}$ toluene, 1,200 $\mu\text{g/L}$ ethylbenzene and 9,600 $\mu\text{g/L}$ total xylenes (see Table 1). Soil sample A1S collected from the diesel pit sidewall exhibited TPH concentrations as diesel fuel of 240 mg/kg. Soil sample B1N collected from the gasoline pit sidewall exhibited TPH as gasoline concentrations of 46 mg/kg. The analysis of the stockpiled soil composite samples indicated sample Comp-1 with a TPH as diesel

fuel concentration of 690 mg/kg and a TPH as gasoline concentration of 2,400 mg/kg. Comp-2 soil sample analysis indicated a TPH as gasoline concentration of 41 mg/kg. Analysis of the soil samples collected beneath the used oil UST indicated samples C1N and C1S had oil and grease concentrations of 180 and 190 mg/kg, respectively (see Table 2). Appendix E presents the laboratory documentation.

3.0 CONCLUSIONS

Shield has conducted and documented the UST closure activities related to the excavation and removal of the three USTs at the Gate City Truck Repair site. Based upon the field activities, OVA readings, and laboratory analytical results, we conclude the following:

- Laboratory analytical results from the two excavation pit wall soil samples, A1S and B1N, and the two stockpiled soil composite samples, Comp-1 and Comp-2, indicate the soils are affected by low and high boiling point TPH compounds. These TPH values exceed the North Carolina Soil Action Level of 10 ppm TPH.
- Laboratory analytical results for pit water sample PitW-2 collected from the gasoline UST pit exhibited elevated levels of benzene, toluene, ethylbenzene, xylenes, naphthalene, 1,2-dichloroethane and 2,4-dinitrophenol. Laboratory analytical results for pit water sample PitW-1 collected from the diesel UST pit exhibited elevated levels of fluorene, naphthalene and phenanthrene. The concentrations of these compounds all exceed the maximum allowable concentrations specified in NCAC T15A:02L.0202.
- The oil and grease concentrations in the closure samples C1N and C1S are below the North Carolina Soil Action Level of 250 ppm.

4.0 RECOMMENDATIONS

Based upon the laboratory analytical results from the pit water and soil samples, Shield recommends additional assessment to determine the vertical and horizontal extent of petroleum hydrocarbon contamination at the site. Shield also recommends proper disposal of the petroleum hydrocarbon contaminated soil stockpile.

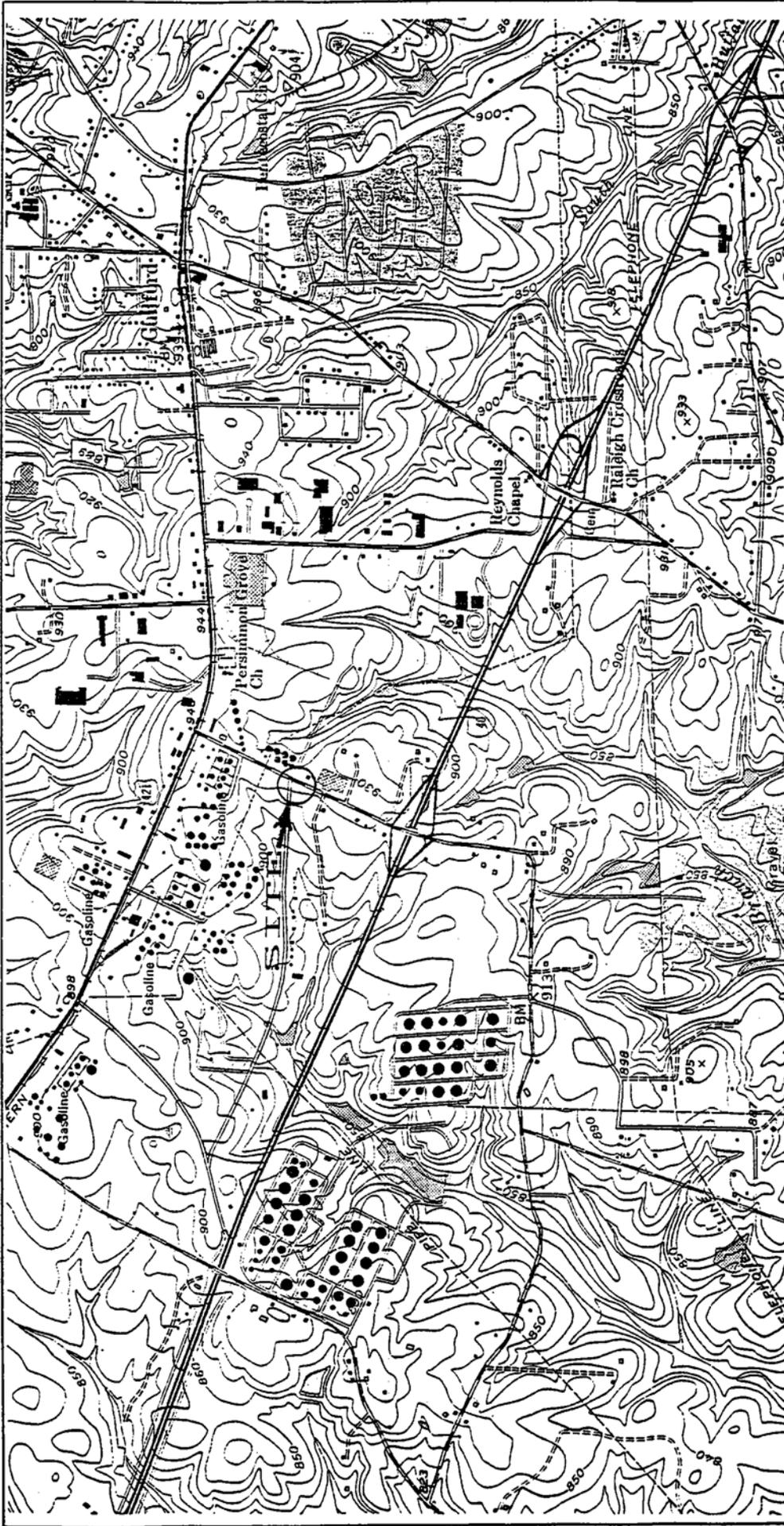
5.0 LIMITATIONS

This report has been prepared for the exclusive use of Adams Kleemeier Hagan Hannah and Fouts for specific application to the referenced site located in Guilford County, North Carolina.

Tank Closure Assessment Report
Gate City Truck Repair
Guilford County, North Carolina
Shield No. 920278

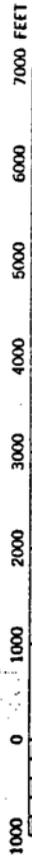
The assessment was conducted based on the scope of work and level of effort desired by the client and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of North Carolina, available information, and our professional judgment. No effort has been made to misrepresent the conditions of the site. No other warranty is expressed or implied.

The data presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. Additionally, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from this data. Shield does not represent analytical data as being true and correct; that is the sole responsibility of the laboratory.

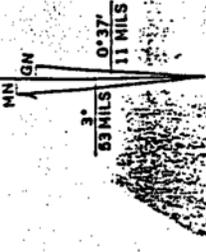


SCALE 1:24000

1 MILE



1 KILOMETER



UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



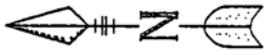
QUADRANGLE LOCATION

GUILFORD, N. C.

SITE LOCATION MAP	
GATE CITY TRUCK REPAIR	
DATE : 03-11-93	DRAWN BY : RM
SCALE : AS SHOWN	FIGURE : 1

SHIELD

ENVIRONMENTAL ASSOCIATES, INC.



BURNT POPLAR ROAD

CHIMNEY ROCK ROAD

DRAIN CULVERT

500 GALLON
WASTE OIL UST

CIN
CIS

GATE CITY TRUCK
REPAIR SHOP

PUMP ISLAND

CONCRETE PAD

CONCRETE

600 GALLON
GASOLINE UST

PITW-2

10,000 GALLON
DIESEL UST

PITW-1

WATER LINE

UNDERGROUND ELECTRIC WIRE

DRAIN LINE

SEWER LINE

CANOPY

WEST BROTHERS
LOADING DOCKS

LEGEND :

- ▲ GROUNDWATER SAMPLE LOCATIONS
- * PIT FLOOR SOIL SAMPLE LOCATIONS
- SIDE WALL, SOIL SAMPLE LOCATIONS
- UST EXCAVATION LIMITS

SITE PLAN

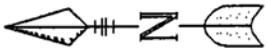
GATE CITY TRUCK REPAIR

DATE : 2-24-93

SCALE : 1" = 30'

FIGURE : 2

SHIELD ENVIRONMENTAL ASSOCIATES, INC.



STOCKPILED SOILS

GATE CITY TRUCK REPAIR

DATE : 2-24-93

DRAWN BY : RM

SCALE : 1" = 30'

FIGURE : 3

SHIELD

ENVIRONMENTAL ASSOCIATES, INC.

CHIMNEY ROCK ROAD

FENCE

ASPHALT PAD

FENCE

STOCKPILED SOILS

COMP 2

COMP 1

LEGEND :

● SOIL SAMPLE

Table 1
Tank Closure Assessment Report
Laboratory Analytical Results for Pit Water Samples
Greensboro, North Carolina
Shield No. 920278

Parameter	PITW-1 ($\mu\text{g/L}$)	PITW-2 ($\mu\text{g/L}$)
Naphthalene	50	590
Phenanthrene	70	ND
Fluorene	40	ND
2,4-Dinitrophenol	ND	120
Benzene	ND	5,300
1,2-Dichloroethane	ND	150
Toluene	ND	21,000
Ethylbenzene	ND	1,200
Xylene	ND	9,600

ND Not detected

Table 2
Tank Closure Assessment Report
Laboratory Analytical Results for Soil Samples
Greensboro, North Carolina
Shield No. 920278

Sample I.D.	Date Sampled	TPH By EPA Method 5030	TPH By EPA Method 3550	Oil and Grease By EPA Method 9071
AIS	1/27/93	ND	240	NA
BIN	1/27/93	46	ND	NA
CIN	1/27/93	NA	NA	180
CIS	1/27/93	NA	NA	190
Comp-1	1/27/93	2,400	690	NA
Comp-2	1/27/93	41	ND	NA

ND Not Detected
 NA Not Analyzed
 All results in mg/kg

GW/UST-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 20101
Date Received 12/22/92

INSTRUCTIONS

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

I. OWNERSHIP OF TANK(S)

II. LOCATION OF TANK(S)

Tank Owner Name: Walter L. Hannah, Trustee
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 301 North Elm Street
County: GUILFORD
City: Greensboro State: NC Zip Code: 27401
Tele. No. (Area Code): 919-373-1600

Facility Name or Company Ara/Smith's
Facility ID # (if available) 0-010064
Street Address or State Road: 6301 Burnt Poplar Rd.
County: GUILFORD City: Greensboro Zip Code: 27409
Tele. No. (Area Code): 919-294-4402

III. CONTACT PERSON

Name: Tom Browner Job Title: Attorney Telephone Number: 919 373-1600

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

- Contact Local Fire Marshall.
- Plan the entire closure event.
- Conduct Site Soil Assessments.
- 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".
- Provide a sketch locating piping, tanks and soil sampling locations.
- Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
- Keep records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: Shield Environmental Associates, Inc.
Address: 2848 J-85 South Sittett State: N.C. Zip Code: 28208
Contact: Livian Lawrence Phone: 704-394-6913

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

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE	CHANGE-IN-SERVICE	
			Removal	Abandonment in Place	New Contents Stored
<u>1</u>	<u>10,000</u>	<u>Diesel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>2</u>	<u>500</u>	<u>Gasoline</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>3</u>	<u>500</u>	<u>Oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Livian Lawrence - Shield Environmental Consultant
Signature: Livian M. Lawrence
Scheduled Removal Date: 1/21/93
Date Submitted: 12/22/92

scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.



GUILFORD COUNTY
EMERGENCY SERVICES

December 28, 1992

Walter L. Hannah, Trustee
Ara/ Smith's
301 N. Elm St.
Greensboro, NC 27401

Dear Mr. Hannah:

This letter is to acknowledge your Notification of Tank Closure as received December 21, 1992 and filed as "Ara/Smith's". All future correspondence must contain the file name as well as address and county in the subject to ensure its receipt into our filing system.

The results of the required assessment (NCAC Title 15A Subchapter 2N Section .0803 and 40 CFR Part 280.72) should be submitted to this office no later than thirty (30) days after the tank is closed. If there is evidence of a release or suspected release, it must be reported within twenty-four (24) hours.

Also, please remember that to permanently close a tank, owners and operators must clean it by removing all liquids and accumulated sludges as required under 15A 2N .0802 and 40 CFR 280.71 and 280.72.

We will be conducting random site visits to ensure that underground storage tank closures are conducted as required in 15A 2N .0802 and .0803 and 40 CFR 280.71 and 280.72. Any violations documented may be submitted for enforcement action.

Enclosed is an attachment that is to be used for the information required for closure assessment. You may contact me at the letterhead address or (919) 373-7565 if you have any questions concerning these requirements.

Sincerely,

Kelly C. Gage
Toxic and Health Hazard Specialist

cc:WSRO
Shield Environmental Assoc., Inc.

GREENSBORO FIRE DEPARTMENT
FIRE PREVENTION BUREAU
1514 N. Church Street
Greensboro, N. C. 27405
373-2177

To: Chief of Fire Prevention Bureau, City of Greensboro, N. C.

Application is hereby made by the undersigned for a permit to

Remove Underground Tank(s)

Abandon Underground Tank(s) in or on the premises know as:

GATE CITY TRUCK REPAIR 6301 BURNT POPULAR ROAD
(Business Name and Address)

1. Tank Contractor: SHIELD ENVIRONMENTAL ASSOCIATES, INC
Contractor's Address: CAROLINA BUSINESS CENTER 2848 I-85 SOUTH, SUITE H CHARLOTTE, N.C. 28208
Number, size and product type of tanks: 1- 10,000 DIESEL, 1- 500 GASOLINE, 1- 500 OIL TANK
2. Permit shall be obtained for the removal or abandonment of underground tanks in place prior to beginning work.
3. Tank contractor shall be licensed as a General Contractor by City Tax Collections.
4. Removal and abandonment of underground tanks in place shall comply with all applicable codes and regulations including the Fire Code, Guilford County Health Regulations, N.F.P.A. 327, and A.P.I. Publication 1604.
5. Notify Fire Prevention at 373-2177 and Guilford County Emergency Services at 373-7565 prior to removal or abandonment in place. Removal or abandonment to be conducted Monday through Friday (no weekends or city holidays) between the hours of 8:00 a.m.-4:00 p.m.).
6. For tank removal or abandonment in place all liquids shall be removed from the tank(s) and properly disposed of in accordance with applicable laws.
7. Prior to removal or abandonment in place tanks shall be purged or rendered inert. Purging or inerting shall be conducted in accordance with applicable standards and regulations. For purging the vapors shall not exceed 20% of the lower flammable limit. For inerting the oxygen content shall be below 8%. Tank contractor shall have the proper operating meters, combustible gas indicator and/or oxygen meter at each job site.

Note: Perchloroethylene will not be allowed as an inerting agent.

GREENSBORO FIRE DEPARTMENT

RECEIPT

Date 1-25-93 No. 502

Received from SHIELD ENVIRONMENTAL ASSOCIATES
 Address CAROLINA BUSINESS CENTER 2848 I-85 SOUTH, SUITE H CHARLOTTE, NC 28208
 Amount NINETY FIVE & 00/100 DOLLARS \$ 95.00
 For (Location) 6301 BURNT POPULAR ROAD
GATE CITY TRUCK REPAIR

Paid By	
Check	<u>2022</u>
Cash	

Acct. # 01-4003-001-829 By Capt M.C. Brown

White: Customer Pink: File Canary: Collection Goldenrod: Other



Collection Division
 P.O. Box 3136
 No. 1 Governmental Plaza
 Room P-112
 Greensboro, NC 27402-3136
 Telephone: 373-2310

TELLER VALIDATION AREA

4036 26Jan93 Br1 M4 #1
 Mon Jan 25 1993 12:30 PM
 0051 4 \$50.00 0219150 PrivilegeLic
 1 ITEMS: CHECK PD 50.00
 Dep to City of GREENSBORO SNB 351577128

Fin - Coll - 156 - 3920 (Rev. 6/90) WHEN PROPERLY VALIDATED THIS SERVES AS A RECEIPT FOR THE PAYMENT INDICATED ABOVE.

01

FILE NUMBER

GREENSBORO FIRE DEPARTMENT
FIRE INSPECTION REPORT

STREET NUMBER: 6301, DIR: 13114, STREET NAME: KURNIT Poplar, TYPE: RZ, BUILDING UNIT: 34, GENERAL INSP. DATE: [blank]

02

DATE: 01/26/93, TIME: [blank], ACTY: [blank], DISTRICT: 10, SHFT: PC, INSPECTING OFFICER: 27

03

NOTICE OF FIRE & SAFETY HAZARDS: You are hereby notified that an inspection of your premises has disclosed the following fire safety hazards and/or violations of the provisions of appropriate local or state codes.

Table with columns: CODE, TYPE, COUNT, DESCRIPTION, APPR. Handwritten entry: X Underground tank Removal - 3 tanks Contractor Shield Environmental Associates - 1-10,000 gal Diesel, 1-500 gal gasoline, 1-500 gal waste oil tank, all tanks showed some signs of contamination - LEL readings less than 20% - Tanks taken to Safeway Disposal

ORDER TO COMPLY: As such conditions are contrary to law, you are hereby required to correct said conditions immediately upon receipt of this notice. An inspection to determine whether you have complied will be conducted on or before Failure to comply with the foregoing order before the date of such reinspection may render you liable to the penalties provided by law for such violation. FIRE PREVENTION BUREAU - PHONE 373-2177 FEES AND PENALTIES INCLUDE: REINSPECTION FEES, AND/OR CITATIONS, OR CRIMINAL SUMMONS

X H. Burt Brown OCCUPANT, X R. D. [Signature] INSPECTING OFFICER

04

BUSINESS NAME: Gate City Trucks Repair, BUSINESS PHONE: [blank], OWNER/OCCUPANT: [blank], EMERGENCY PHONE: [blank]

05

BUILDING UNIT IDENTIFICATION: [blank]

Safeway Tank Disposal, Inc.

RECEIVING REPORT

From:

Sheila FNU
?

Received by:

CWBTL

SAFEWAY TANK DISPOSAL, INC.

Transported by:

L+M Trucking

Tank Disposal Number	Size	Weight	Product	Date Received	Origin
6802	10000	7445	Diesel	1-26-93	State City Trucking
6803	550	450	GAS	L	Bunni Poplar Rd Greensboro
6804	550	450	waste oil		N.C.

Safeway Tank Disposal, Inc. accepts the liability for the tank(s) and contents on this report. The tank(s) and contents must be a petroleum product. If at any time the tanks are found to contain any product other than a petroleum product SAFEWAY TANK DISPOSAL, INC. has the right to refuse disposal or negotiate a price for disposal. Customer will be liable for any clean-up or other cost resulting from contamination by a substance other than a petroleum product.

Safeway Tank Disposal, Inc. agrees to dispose of petroleum tanks and contents in accordance with local, state, and federal regulation. Certificate of Disposal to follow.

CWBTL
SAFEWAY TANK DISPOSAL, INC.

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)

II. Location of Tank(s)

Owner Name: Walter L. Hannah, Trustee
301 North Elm Street
Greensboro, N.C. 27401
City: Greensboro, N.C. 27401
State: N.C. Zip Code: 27401
Area Code: 919 Telephone Number: 373-1600

Facility Name of Company: Ara/Smith's
Facility ID #: 0-010064
Street Address or State Road: 6301 Bunt Poplar Rd.
City: Guilford, Greensboro
County: Guilford, N.C.
Area Code: (919) City: 294 Zip Code: 4403 Telephone Number: 4403

III. Contact Person

Name: Tom Brawner Job Title: Attorney Telephone No. (Area Code): (919) 373-1600
Closure Contractor: Shield Environmental Assor. Inc. 2848 I-85 South Suite H. Charlotte (704) 394-6913
Lab: PACE, Inc. 9800 Kincaid Ave. Suite 100 Huntersville, N.C. (704) 875-9092

IV. UST Information

V. Excavation Conditions

VI. Additional Information Required

Table with 10 columns: Tank No., Size in Gallons, Tank Dimensions, Last Contents, Water in Excavation (Yes/No), Free Product (Yes/No), Notable Odor or Visible Soil Contamination (Yes/No). Rows 1-3 contain Diesel Fuel, Gasoline, and Oil.

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.

- Checklist items: 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: 1/26/93

- 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: Satway Tank Disposal, Inc.

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: H. Burt Brown, Field Services Manager - Shield. Signature: H. Burt Brown. Date Signed: 3/11/93

February 12, 1993

RECEIVED

FEB 15 1993

PETROLEUM TESTING SERVICES, INC.

Mr. Burt Brown
Shield Environmental Associates, Inc.
2848 I-85 South
Suite H
Charlotte, NC 28208

RE: PACE Project No. 630129.506
Client Reference: 920278.204 Gate City Truck Repair

Dear Mr. Brown:

Enclosed is the report of laboratory analyses for samples received
January 29, 1993.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free
to contact us.

Sincerely,



Jennifer J. Carriker
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

Shield Environmental Associates, Inc.
 2848 I-85 South
 Suite H
 Charlotte, NC 28208

February 12, 1993
 PACE Project Number: 630129506

Attn: Mr. Burt Brown

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180399
 Date Collected: 01/26/93
 Date Received: 01/29/93
 Client Sample ID: PitW-1

Parameter	Units	MDL	METHOD	DATE ANALYZED
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ORGANIC ANALYSIS

PURGEABLE HALOCARBONS AND AROMATICS

Parameter	Units	MDL	METHOD	DATE ANALYZED
Chloromethane	ug/L	1.0	(1) ND	02/05/93
Bromomethane	ug/L	1.0	ND	02/05/93
Dichlorodifluoromethane	ug/L	1.0	ND	02/05/93
Vinyl chloride	ug/L	1.0	ND	02/05/93
Chloroethane	ug/L	1.0	ND	02/05/93
Methylene chloride	ug/L	1.0	ND	02/05/93
Trichlorofluoromethane	ug/L	1.0	ND	02/05/93
1,1-Dichloroethylene	ug/L	1.0	ND	02/05/93
1,1-Dichloroethane	ug/L	1.0	ND	02/05/93
trans-1,2-Dichloroethylene	ug/L	1.0	ND	02/05/93
Chloroform	ug/L	0.5	ND	02/05/93
1,2-Dichloroethane	ug/L	1.0	ND	02/05/93
1,1,1-Trichloroethane	ug/L	1.0	ND	02/05/93
Carbon Tetrachloride	ug/L	1.0	ND	02/05/93
Bromodichloromethane	ug/L	0.5	ND	02/05/93
1,2-Dichloropropane	ug/L	1.0	ND	02/05/93
trans-1,3-Dichloropropene	ug/L	1.0	ND	02/05/93
1,1,2-Trichloroethylene	ug/L	1.0	ND	02/05/93
Dibromochloromethane	ug/L	0.5	ND	02/05/93
1,1,2-Trichloroethane	ug/L	1.0	ND	02/05/93
cis-1,3-Dichloropropene	ug/L	1.0	ND	02/05/93
2-Chloroethylvinyl Ether	ug/L	1.0	ND	02/05/93
Bromoform	ug/L	0.5	ND	02/05/93
1,1,2,2-Tetrachloroethane	ug/L	1.0	ND	02/05/93
Tetrachloroethylene	ug/L	0.5	ND	02/05/93
Methyl tert-butyl ether	ug/L	1.0	ND	02/05/93
Benzene	ug/L	1.0	ND	02/05/93
Toluene	ug/L	1.0	ND	02/05/93

Mr. Burt Brown
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February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180399
 Date Collected: 01/26/93
 Date Received: 01/29/93
 Client Sample ID: PitW-1

Parameter	Units	MDL	METHOD	DATE ANALYZED
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ORGANIC ANALYSIS

PURGEABLE HALOCARBONS AND AROMATICS

Parameter	Units	MDL	METHOD	DATE ANALYZED
			(1) 601/602	
Chlorobenzene	ug/L	1.0	ND	02/05/93
Ethyl benzene	ug/L	1.0	ND	02/05/93
Xylenes	ug/L	1.0	ND	02/05/93
1,3-Dichlorobenzene	ug/L	1.0	ND	02/05/93
1,4-Dichlorobenzene	ug/L	1.0	ND	02/05/93
1,2-Dichlorobenzene	ug/L	1.0	ND	02/05/93

SEMIVOLATILE ORGANICS-625AB

Parameter	Units	MDL	METHOD	DATE ANALYZED
Date Analyzed	ug/L		021193	02/11/93
Date Extracted			020293	02/02/93
4-Chloro-3-methylphenol	ug/L	10	ND	02/11/93
2-Chlorophenol	ug/L	10	ND	02/11/93
2,4-Dichlorophenol	ug/L	10	ND	02/11/93
2,4-Dimethylphenol	ug/L	10	ND	02/11/93
2,4-Dinitrophenol	ug/L	10	ND	02/11/93
2-Methyl-4,6-dinitrophenol	ug/L	10	ND	02/11/93
2-Nitrophenol	ug/L	10	ND	02/11/93
4-Nitrophenol	ug/L	10	ND	02/11/93
Pentachlorophenol	ug/L	10	ND	02/11/93
Phenol	ug/L	10	ND	02/11/93
2,4,6-Trichlorophenol	ug/L	10	ND	02/11/93
Acenaphthene	ug/L	10	ND	02/11/93
Acenaphthylene	ug/L	10	ND	02/11/93
Anthracene	ug/L	10	ND	02/11/93
Benzo(a)anthracene	ug/L	10	ND	02/11/93
Benzo(a)pyrene	ug/L	10	ND	02/11/93
Benzo(b)fluoranthene	ug/L	10	ND	02/11/93
Benzo(k)fluoranthene	ug/L	10	ND	02/11/93
Benzo(g,h,i)perylene	ug/L	10	ND	02/11/93
Bis(2-chloroethoxy)methane	ug/L	10	ND	02/11/93
Bis(2-chloroethyl)ether	ug/L	10	ND	02/11/93
Bis(2-chloroisopropyl)ether	ug/L	10	ND	02/11/93
Bis(2-ethylhexyl)phthalate	ug/L	10	ND	02/11/93

Mr. Burt Brown
Page 3

February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180399
Date Collected: 01/26/93
Date Received: 01/29/93
Client Sample ID: PitW-1

Parameter	Units	MDL	METHOD	DATE ANALYZED
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ORGANIC ANALYSIS

SEMIVOLATILE ORGANICS-625AB

625

4-Bromophenol phenyl ether	ug/L	10	ND	02/11/93
Benzyl butyl phthalate	ug/L	10	ND	02/11/93
2-Chloronaphthalene	ug/L	10	ND	02/11/93
4-Chlorophenyl phenyl ether	ug/L	10	ND	02/11/93
Chrysene	ug/L	10	ND	02/11/93
Dibenzo(a,h)anthracene	ug/L	10	ND	02/11/93
1,2-Dichlorobenzene	ug/L	10	ND	02/11/93
1,3-Dichlorobenzene	ug/L	10	ND	02/11/93
1,4-Dichlorobenzene	ug/L	10	ND	02/11/93
3,3-Dichlorobenzidine	ug/L	10	ND	02/11/93
Diethyl phthalate	ug/L	10	ND	02/11/93
Dimethyl phthalate	ug/L	10	ND	02/11/93
Di-n-butyl phthalate	ug/L	10	ND	02/11/93
2,4-Dinitrotoluene	ug/L	10	ND	02/11/93
2,6-Dinitrotoluene	ug/L	10	ND	02/11/93
Di-n-octylphthalate	ug/L	10	ND	02/11/93
Fluoranthene	ug/L	10	ND	02/11/93
Fluorene	ug/L	10	40	02/11/93
Hexachlorobenzene	ug/L	10	ND	02/11/93
Hexachlorobutadiene	ug/L	10	ND	02/11/93
Hexachloroethane	ug/L	10	ND	02/11/93
Indeno(1,2,3,-cd)pyrene	ug/L	10	ND	02/11/93
Isophorone	ug/L	10	ND	02/11/93
Naphthalene	ug/L	10	50	02/11/93
Nitrobenzene	ug/L	10	ND	02/11/93
N-Nitrosodi-n-propylamine	ug/L	10	ND	02/11/93
N-Nitrosodiphenylamine	ug/L	10	ND	02/11/93
Phenanthrene	ug/L	10	70	02/11/93
Pyrene	ug/L	10	ND	02/11/93
1,2,4-Trichlorobenzene	ug/L	10	ND	02/11/93
Hexachlorocyclopentadiene	ug/L	10	ND	02/11/93

REPORT OF LABORATORY ANALYSIS

Mr. Burt Brown
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February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180399
Date Collected: 01/26/93
Date Received: 01/29/93
Client Sample ID: PitW-1

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

SEMIVOLATILE ORGANICS-625AB
N-Nitrosodi-n-methylamine

ug/L	10	ND	625	02/11/93
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Mr. Burt Brown
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February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180402
 Date Collected: 01/26/93
 Date Received: 01/29/93
 Client Sample ID: PitW-2

Parameter	Units	MDL	METHOD	DATE ANALYZED
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ORGANIC ANALYSIS

PURGEABLE HALOCARBONS AND AROMATICS

601/602

Chloromethane	ug/L	100	ND	02/05/93
Bromomethane	ug/L	100	ND	02/05/93
Dichlorodifluoromethane	ug/L	100	ND	02/05/93
Vinyl chloride	ug/L	100	ND	02/05/93
Chloroethane	ug/L	100	ND	02/05/93
Methylene chloride	ug/L	100	ND	02/05/93
Trichlorofluoromethane	ug/L	100	ND	02/05/93
1,1-Dichloroethylene	ug/L	100	ND	02/05/93
1,1-Dichloroethane	ug/L	100	ND	02/05/93
trans-1,2-Dichloroethylene	ug/L	100	ND	02/05/93
Chloroform	ug/L	50	ND	02/05/93
1,2-Dichloroethane	ug/L	100	150	02/05/93
1,1,1-Trichloroethane	ug/L	100	ND	02/05/93
Carbon Tetrachloride	ug/L	100	ND	02/05/93
Bromodichloromethane	ug/L	50	ND	02/05/93
1,2-Dichloropropane	ug/L	100	ND	02/05/93
trans-1,3-Dichloropropene	ug/L	100	ND	02/05/93
1,1,2-Trichloroethylene	ug/L	100	ND	02/05/93
Dibromochloromethane	ug/L	50	ND	02/05/93
1,1,2-Trichloroethane	ug/L	100	ND	02/05/93
cis-1,3-Dichloropropene	ug/L	100	ND	02/05/93
2-Chloroethylvinyl Ether	ug/L	100	ND	02/05/93
Bromoform	ug/L	50	ND	02/05/93
1,1,2,2-Tetrachloroethane	ug/L	100	ND	02/05/93
Tetrachloroethylene	ug/L	50	ND	02/05/93
Methyl tert-butyl ether	ug/L	100	ND	02/05/93
Benzene	ug/L	100	5300	02/05/93
Toluene	ug/L	200	21000	02/05/93
Chlorobenzene	ug/L	100	ND	02/05/93
Ethyl benzene	ug/L	100	1200	02/05/93
Xylenes	ug/L	100	9600	02/05/93

REPORT OF LABORATORY ANALYSIS

Mr. Burt Brown
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February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180402
Date Collected: 01/26/93
Date Received: 01/29/93
Client Sample ID: PitW-2

Parameter	Units	MDL	METHOD	DATE ANALYZED
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ORGANIC ANALYSIS

PURGEABLE HALOCARBONS AND AROMATICS

1,3-Dichlorobenzene	ug/L	100	ND	02/05/93
1,4-Dichlorobenzene	ug/L	100	ND	02/05/93
1,2-Dichlorobenzene	ug/L	100	ND	02/05/93

SEMIVOLATILE ORGANICS-625AB

Date Analyzed	ug/L		021293	625	02/12/93
Date Extracted			020293		02/02/93
4-Chloro-3-methylphenol	ug/L	50	ND		02/12/93
2-Chlorophenol	ug/L	50	ND		02/12/93
2,4-Dichlorophenol	ug/L	50	ND		02/12/93
2,4-Dimethylphenol	ug/L	50	ND		02/12/93
2,4-Dinitrophenol	ug/L	50	120		02/12/93
2-Methyl-4,6-dinitrophenol	ug/L	50	ND		02/12/93
2-Nitrophenol	ug/L	50	ND		02/12/93
4-Nitrophenol	ug/L	50	ND		02/12/93
Pentachlorophenol	ug/L	50	ND		02/12/93
Phenol	ug/L	50	ND		02/12/93

2,4,6-Trichlorophenol	ug/L	50	ND		02/12/93
Acenaphthene	ug/L	50	ND		02/12/93
Acenaphthylene	ug/L	50	ND		02/12/93
Anthracene	ug/L	50	ND		02/12/93
Benzo(a)anthracene	ug/L	50	ND		02/12/93
Benzo(a)pyrene	ug/L	50	ND		02/12/93

Benzo(b)fluoranthene	ug/L	50	ND		02/12/93
Benzo(k)fluoranthene	ug/L	50	ND		02/12/93
Benzo(g,h,i)perylene	ug/L	50	ND		02/12/93
Bis(2-chloroethoxy)methane	ug/L	50	ND		02/12/93
Bis(2-chloroethyl)ether	ug/L	50	ND		02/12/93
Bis(2-chloroisopropyl)ether	ug/L	50	ND		02/12/93

Bis(2-ethylhexyl)phthalate	ug/L	50	ND		02/12/93
4-Bromophenol phenyl ether	ug/L	50	ND		02/12/93
Benzyl butyl phthalate	ug/L	50	ND		02/12/93

Mr. Burt Brown
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February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180402
 Date Collected: 01/26/93
 Date Received: 01/29/93
 Client Sample ID: PitW-2

Parameter	Units	MDL	METHOD	DATE ANALYZED
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ORGANIC ANALYSIS

SEMIVOLATILE ORGANICS-625AB

625

2-Chloronaphthalene	ug/L	50	ND	02/12/93
4-Chlorophenyl phenyl ether	ug/L	50	ND	02/12/93
Chrysene	ug/L	50	ND	02/12/93
Dibenzo(a,h)anthracene	ug/L	50	ND	02/12/93
1,2-Dichlorobenzene	ug/L	50	ND	02/12/93
1,3-Dichlorobenzene	ug/L	50	ND	02/12/93
1,4-Dichlorobenzene	ug/L	50	ND	02/12/93
3,3-Dichlorobenzidine	ug/L	50	ND	02/12/93
Diethyl phthalate	ug/L	50	ND	02/12/93
Dimethyl phthalate	ug/L	50	ND	02/12/93
Di-n-butyl phthalate	ug/L	50	ND	02/12/93
2,4-Dinitrotoluene	ug/L	50	ND	02/12/93
2,6-Dinitrotoluene	ug/L	50	ND	02/12/93
Di-n-octylphthalate	ug/L	50	ND	02/12/93
Fluoranthene	ug/L	50	ND	02/12/93
Fluorene	ug/L	50	ND	02/12/93
Hexachlorobenzene	ug/L	50	ND	02/12/93
Hexachlorobutadiene	ug/L	50	ND	02/12/93
Hexachloroethane	ug/L	50	ND	02/12/93
Indeno(1,2,3,-cd)pyrene	ug/L	50	ND	02/12/93
Isophorone	ug/L	50	ND	02/12/93
Naphthalene	ug/L	50	590	02/12/93
Nitrobenzene	ug/L	50	ND	02/12/93
N-Nitrosodi-n-propylamine	ug/L	50	ND	02/12/93
N-Nitrosodiphenylamine	ug/L	50	ND	02/12/93
Phenanthrene	ug/L	50	ND	02/12/93
Pyrene	ug/L	50	ND	02/12/93
1,2,4-Trichlorobenzene	ug/L	50	ND	02/12/93
Hexachlorocyclopentadiene	ug/L	50	ND	02/12/93
N-Nitrosodi-n-methylamine	ug/L	50	ND	02/12/93

REPORT OF LABORATORY ANALYSIS

Mr. Burt Brown
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February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180410
 Date Collected: 01/27/93
 Date Received: 01/29/93
 Client Sample ID: AIS

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Diesel Extraction - Soil			02/05/93	3550	
Percent Solids	%	0.01	62		02/02/93
Petroleum Hydrocarbons as Gasoline	mg/kg	6.0	ND	5030/8015	02/04/93
Total Hydrocarbons via Method 3550	mg/kg	5.0	240 HP	3550/8015	02/09/93

REPORT OF LABORATORY ANALYSIS

Mr. Burt Brown
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February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180429
 Date Collected: 01/27/93
 Date Received: 01/29/93
 Client Sample ID: BIN

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Diesel Extraction - Soil			02/05/93	3550	
Percent Solids	%	0.01	63		02/02/93
Petroleum Hydrocarbons as Gasoline	mg/kg	12	46	5030/8015	02/03/93
Total Hydrocarbons via Method 3550	mg/kg	5.0	ND LB	3550/8015	02/09/93

Mr. Burt Brown
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February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180437
Date Collected: 01/27/93
Date Received: 01/29/93
Client Sample ID: CIN

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Oils & Grease by Soxhlet Extraction	mg/kg	10	180	SW846-9071 02/09/93
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Mr. Burt Brown
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February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180445
Date Collected: 01/27/93
Date Received: 01/29/93
Client Sample ID: CIS

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Oils & Grease by Soxhlet Extraction	mg/kg	10	190	SW846-9071 02/09/93
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REPORT OF LABORATORY ANALYSIS

Mr. Burt Brown
 Page 12

February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180453
 Date Collected: 01/27/93
 Date Received: 01/29/93
 Client Sample ID: Comp-1

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Diesel Extraction - Soil			02/05/93	3550	
Percent Solids	%	0.01	69		02/02/93
Petroleum Hydrocarbons as Gasoline	mg/kg	120	2400	5030/8015	02/04/93
Total Hydrocarbons via Method 3550	mg/kg	5.0	690 HP	3550/8015	02/09/93

Mr. Burt Brown
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February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PACE Sample Number: 92 0180461
Date Collected: 01/27/93
Date Received: 01/29/93
Client Sample ID: Comp-2

Parameter Units MDL METHOD DATE ANALYZED

ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Diesel Extraction - Soil			02/05/93	3550	
Percent Solids	%	0.01	68		02/02/93
Petroleum Hydrocarbons as Gasoline	mg/kg	6.0	41	5030/8015	02/04/93
Total Hydrocarbons via Method 3550	mg/kg	5.0	ND	3550/8015	02/09/93

Sample results are reported on a dry weight basis.

These data have been reviewed and are approved for release.



Charles M. Cabaniss
Manager, Inorganic Chemistry



Margaret S. Harding
Manager, Organic Chemistry

Mr. Burt Brown
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FOOTNOTES
for pages 1 through 13

February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

HP Hydrocarbons present do not match profile of laboratory standard.
LB Low boiling point components are present in sample.
MDL Method Detection Limit
ND Not detected at or above the MDL.
(1) Late eluting aromatic hydrocarbons.



REPORT OF LABORATORY ANALYSIS

Mr. Burt Brown
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QUALITY CONTROL DATA

February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

Oils & Grease by Soxhlet Extraction
Batch: 92 17361
Samples: 92 0180437, 92 0180445

SAMPLE DUPLICATE:

Parameter	Units	MDL	920180437	Duplicate of	RPD
Oils & Grease by Soxhlet Extraction	mg/kg	10	CIN 180	92 0180437 270	40%

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Oils & Grease by Soxhlet Extraction	mg/kg	10	3300	106%

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QUALITY CONTROL DATA

February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

Petroleum Hydrocarbons as Gasoline
 Batch: 92 17265
 Samples: 92 0180429

METHOD BLANK:

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>Method Blank</u>
Petroleum Hydrocarbons as Gasoline	mg/kg	6.0	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>Reference Value</u>	<u>Recv</u>	<u>Dupl Recv</u>	<u>RPD</u>
Petroleum Hydrocarbons as Gasoline	mg/kg	6.0	110	109%	91%	18%

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QUALITY CONTROL DATA

February 12, 1993
PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

Petroleum Hydrocarbons as Gasoline

Batch: 92 17266

Samples: 92 0180410, 92 0180453, 92 0180461

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Petroleum Hydrocarbons as Gasoline	mg/kg	6.0	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Petroleum Hydrocarbons as Gasoline	mg/kg	6.0	110	109%	91%	18%

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QUALITY CONTROL DATA

February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

Total Hydrocarbons via Method 3550

Batch: 92 17383

Samples: 92 0180410, 92 0180429, 92 0180453, 92 0180461

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Total Hydrocarbons via Method 3550	mg/kg	5.0	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	920182502	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Hydrocarbons via Method 3550	mg/kg	5.0	ND	411	66%	84%	24%

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Total Hydrocarbons via Method 3550	mg/kg	5.0	733	9%

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QUALITY CONTROL DATA

February 12, 1993
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Client Reference: 920278.204 Gate City Truck Repair

PURGEABLE HALOCARBONS AND AROMATICS

Batch: 92 17478

Samples: 92 0180399, 92 0180402

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Chloromethane	ug/L	1.0	ND
Bromomethane	ug/L	1.0	ND
Dichlorodifluoromethane	ug/L	1.0	ND
Vinyl chloride	ug/L	1.0	ND
Chloroethane	ug/L	1.0	ND
Methylene chloride	ug/L	1.0	ND
Trichlorofluoromethane	ug/L	1.0	ND
1,1-Dichloroethylene	ug/L	1.0	ND
1,1-Dichloroethane	ug/L	1.0	ND
trans-1,2-Dichloroethylene	ug/L	1.0	ND
Chloroform	ug/L	0.5	ND
1,2-Dichloroethane	ug/L	1.0	ND
1,1,1-Trichloroethane	ug/L	1.0	ND
Carbon Tetrachloride	ug/L	1.0	ND
Bromodichloromethane	ug/L	0.5	ND
1,2-Dichloropropane	ug/L	1.0	ND
trans-1,3-Dichloropropene	ug/L	1.0	ND
1,1,2-Trichloroethylene	ug/L	1.0	ND
Dibromochloromethane	ug/L	0.5	ND
1,1,2-Trichloroethane	ug/L	1.0	ND
cis-1,3-Dichloropropene	ug/L	1.0	ND
2-Chloroethylvinyl Ether	ug/L	1.0	ND
Bromoform	ug/L	0.5	ND
1,1,2,2-Tetrachloroethane	ug/L	1.0	ND
Tetrachloroethylene	ug/L	0.5	ND
Methyl tert-butyl ether	ug/L	1.0	ND
Benzene	ug/L	1.0	ND
Toluene	ug/L	1.0	ND
Chlorobenzene	ug/L	1.0	ND
Ethyl benzene	ug/L	1.0	ND
Xylenes	ug/L	1.0	ND
1,3-Dichlorobenzene	ug/L	1.0	ND

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QUALITY CONTROL DATA

February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

PURGEABLE HALOCARBONS AND AROMATICS

Batch: 92 17478

Samples: 92 0180399, 92 0180402

METHOD BLANK:

Parameter	Units	MDL	Method Blank
1,4-Dichlorobenzene	ug/L	1.0	ND
1,2-Dichlorobenzene	ug/L	1.0	ND

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chloroform	ug/L	0.5	20	120%
Bromodichlormethane	ug/L	0.5	20	100%
1,1,2-Trichloroethylene	ug/L	1.0	20	100%
Benzene	ug/L	1.0	20	115%
Chlorobenzene	ug/L	1.0	20	115%
Ethyl benzene	ug/L	1.0	20	115%
Xylenes	ug/L	1.0	20	115%
1,4-Dichlorobenzene	ug/L	1.0	21	100%
1,2-Dichlorobenzene	ug/L	1.0	21	114%

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FOOTNOTES
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MDL Method Detection Limit
ND Not detected at or above the MDL.
RPD Relative Percent Difference

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QUALITY CONTROL DATA

February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

625 - BASE-NEUTRAL/ACID EXTRACTABLES
 Batch: 90 36434
 Samples: 92 0180399, 92 0180402

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Acenaphthene	ug/L	10	ND
Acenaphthylene	ug/L	10	ND
Anthracene	ug/L	10	ND
Benzo(a)anthracene	ug/L	10	ND
Benzo(a)pyrene	ug/L	10	ND
Benzo(b)fluoranthene	ug/L	10	ND
Benzo(k)fluoranthene	ug/L	10	ND
Benzo(g,h,i)perylene	ug/L	10	ND
Bis(2-chloroethoxy)methane	ug/L	10	ND
Bis(2-chloroethyl)ether	ug/L	10	ND
Bis(2-chloroisopropyl)ether	ug/L	10	ND
Bis(2-ethyl hexyl)phthalate	ug/L	10	ND
4-Bromophenyl phenyl ether	ug/L	10	ND
Butyl benzyl phthalate	ug/L	10	ND
2-Chloronaphthalene	ug/L	10	ND
4-Chlorophenyl phenyl ether	ug/L	10	ND
Chrysene	ug/L	10	ND
Dibenzo(a,h)anthracene	ug/L	10	ND
1,2-Dichlorobenzene	ug/L	10	ND
1,3-Dichlorobenzene	ug/L	10	ND
1,4-Dichlorobenzene	ug/L	10	ND
3,3-Dichlorobenzidine	ug/L	10	ND
Diethyl phthalate	ug/L	10	ND
Dimethyl phthalate	ug/L	10	ND
Di-n-butyl phthalate	ug/L	10	ND
2,4-Dinitrotoluene	ug/L	10	ND
2,6-Dinitrotoluene	ug/L	10	ND
Di-n-octyl phthalate	ug/L	10	ND
Fluoranthene	ug/L	10	ND
Fluorene	ug/L	10	ND
Hexachlorobenzene	ug/L	10	ND
Hexachlorobutadiene	ug/L	10	ND

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QUALITY CONTROL DATA

February 12, 1993
 PACE Project Number: 630129506

Client Reference: 920278.204 Gate City Truck Repair

625 - BASE-NEUTRAL/ACID EXTRACTABLES
 Batch: 90 36434
 Samples: 92 0180399, 92 0180402

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Hexachloroethane	ug/L	10	ND
Indeno(1,2,3-c,d)pyrene	ug/L	10	ND
Isophorone	ug/L	10	ND
Naphthalene	ug/L	10	ND
Nitrobenzene	ug/L	10	ND
N-Nitrosodimethylamine	ug/L	10	ND
N-Nitrosodi-n-propylamine	ug/L	10	ND
N-Nitrosodiphenylamine	ug/L	10	ND
Phenanthrene	ug/L	10	ND
Pyrene	ug/L	10	ND
1,2,4-Trichlorobenzene	ug/L	10	ND
Hexachlorocyclopentadiene	ug/L	10	ND
4-Chloro-3-methylphenol	ug/L	10	ND
2-Chlorophenol	ug/L	10	ND
2,4-Dichlorophenol	ug/L	10	ND
2,4-Dimethylphenol	ug/L	10	ND
2,4-Dinitrophenol	ug/L	10	ND
2-Methyl-4,6-Dinitrophenol	ug/L	10	ND
2-Nitrophenol	ug/L	10	ND
4-Nitrophenol	ug/L	10	ND
Pentachlorophenol	ug/L	10	ND
Phenol	ug/L	10	ND
2,4,6-Trichlorophenol	ug/L	10	ND
Phenol-d6 - Surrogate	%		26
2-Fluorophenol - Surrogate	%		38
Nitrobenzene-d5 - Surrogate	%		68
2-Fluorobiphenyl - Surrogate	%		64
2,4,6-Tribromophenol - Surrogate	%		80
Terphenyl-d14 - Surrogate	%		76

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QUALITY CONTROL DATA

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Client Reference: 920278.204 Gate City Truck Repair

625 - BASE-NEUTRAL/ACID EXTRACTABLES

Batch: 90 36434

Samples: 92 0180399, 92 0180402

LABORATORY CONTROL SAMPLE:

Parameter	Units	PRL	Reference Value	Recv
Acenaphthene	ug/L	10	50	62%
1,4-Dichlorobenzene	ug/L	10	50	52%
2,4-Dinitrotoluene	ug/L	10	50	58%
N-Nitrosodi-n-propylamine	ug/L	10	50	58%
Pyrene	ug/L	10	50	64%
1,2,4-Trichlorobenzene	ug/L	10	50	54%
4-Chloro-3-methylphenol	ug/L	10	50	58%
2-Chlorophenol	ug/L	10	50	52%
4-Nitrophenol	ug/L	10	50	12%
Pentachlorophenol	ug/L	10	50	44%
Phenol	ug/L	10	50	32%

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ND
PRL Not detected at or above the PRL.
PACE Reporting Limit

