EXXON COMPANY, U.S.A.
POST OFFICE BOX 30451 • CHARLOTTE, NORTH CAROLINA 28230-0451 • (704) 529-4263

MARKETING DEPARTMENT
REAL ESTATE & ENGINEERING

ENVIRONMENTAL ENGINEERING

J. F. (FRANK) MEDLIN
SENIOR STAFF ENGINEER

December 19, 1991

Tank Excavation Assessment Reports
Exxon RAS # 4-6692
Thomasville, North Carolina
Exxon RAS # 4-4570
Winston-Salem, North Carolina
Exxon RAS # 4-3998
Greensboro, North Carolina

Mr. Larry Coble
Regional Supervisor
Winston-Salem Regional Office
North Carolina Department of Environment,
Health, and Natural Resources
8025 North Point Boulevard
Winston-Salem, North Carolina 27106

Dear Mr. Coble:

Please find attached one (1) bound copy of each of the tank excavation assessment reports for the subject sites.

If you have a question or comment concerning the tankfield replacement, please call Mr. Bill Cook at (919) 859-6696, or for questions as to the environmental data or future environmental investigations, call Frank Medlin at (704) 529-4263.

Sincerely,

FOR EXXON COMPANY, U.S.A.

James F. Medlin

JFM/dtr
Attachments
3574Y

c: W/O Attachments
Mr. P. J. Brininstool
Mr. W. W. Cook

GRIFFITH ENTERPRISES

Tank Excavation Assessment Report
Exxon RAS 4-3998
4701 West Market Street
Greensboro, North Carolina

November 19, 1991

Mr. Bill Cook
Exxon Company U.S.A., Inc.
Construction and Maintenance Engineering
5540 Centerview Drive
Suite 305
Raleigh, North Carolina 27606

Dear Mr. Cook:

Griffith Enterprises is pleased to submit herewith a final Tank Excavation Assessment Report for the above referenced Exxon location.

Included in this report is a narrative text describing tank removal operations, tables and figures depicting important site information, copies of analytical laboratory testing including Chain of Custody forms, a completed Site Sensitivity Evaluation (SSE) and photo documentation of the tank excavation.

Griffith Enterprises appreciates the opportunity to be of service to Exxon Company U.S.A., Inc. If there are any questions or if any additional information is needed, please feel free to contact the writer immediately.

Sincerely,

M. Alan Griffith
Hydrogeologist

Hewitt Business Center
163 Stratford Court, Suite 250
Winston-Salem, N.C. 27103
(919) 761-1137

A. Introduction

The project consisted of removing five (5) underground storage tanks from this active Exxon retail location. The underground storage tanks were removed as part of a tankfield replacement performed by Exxon Company U.S.A., Inc.

The site is located at the intersection of West Market Street and Spring Garden Street in Greensboro, North Carolina. The station property is approximately one (1) acre in size and is primarily covered by asphalt. The land surface of the station slopes slightly from north to south from West Market Street toward the station building. The regional topography of the area also slightly dips toward the south allowing surface runoff to be carried along Spring Garden Street and Manly Avenue.

The adjacent property owners consist primarily of commercial occupants. As shown on the regional map in the Appendix, restaurants, retail business and other UST facilities are located on adjacent parcels of land.

B. Excavation Process

The underground storage tanks were removed by utilizing a JSW BH65 trackhoe and a rubber tire backhoe by Bass Electric Company of Rocky Mount, North Carolina from September 3 through September 25, 1991.

After removing the concrete from the tankfarm area, the contractor began to excavate the backfill material surrounding the three (3) underground gasoline storage tanks. The backfill material which was removed by the trackhoe was stockpiled on plastic in the southwest section of the property. After sufficient quantities of the soil backfill had been removed from the tankfarm area, the three (3) underground storage tanks were lifted from the excavation by the trackhoe. This was accomplished by positioning steel chains around the lift rings situated on the top of each tank.

After the three (3) tanks were removed from the excavation, the remaining quantity of soil backfill was removed from the excavation and placed in the soil stockpile. Upon completion of soil removal the stockpile was covered by a layer of plastic, and straw bales were placed around the perimeter of the stockpile. It is important to note that there was no over excavation performed in removing the tanks and soil backfill material.

After removal of the underground gasoline storage tanks had been completed, the contractor excavated and removed the gasoline product lines, as well as the fuel oil and used oil tank. This work was primarily performed by the rubber tire backhoe.

Again, the soil materials excavated from the gasoline product lines were added to the existing stockpile in the southwest corner of the property. However, soils originating from the used oil tank were stockpiled separately.

Prior to removing the underground storage tanks and product line piping, the contractor excavated a new tankhole along the western property boundary bordering Manly Avenue. The new 12,000 gallon fiberglass double wall tanks were installed in this excavation, and the contractor excavated new line trenches for the self-contained product piping system. This allowed the station to remain open during removal of the old UST systems. The configuration of the new tankfarm and product line system is shown on the site base map.

C. Tank Condition

Three (3) 6,000 gallon steel underground storage tanks were removed from the tankfarm on the eastern property boundary. The tanks were utilized to store Exxon Regular Unleaded, Plus and Supreme Unleaded gasoline products. The age of the tanks were though to be approximately twenty (20) years old, with all tanks appearing in relatively good condition.

The 1,000 gallon used oil tank and 550 fuel oil tank which were also constructed of steel were found to be in relatively good condition. All of these tanks had no visible holes nor severe pitting was observed. Photo documentation of the five (5) underground storage tanks exist in the Appendix of this report.

Prior to removal from the subsurface, the tanks were degassed with dry ice. The tanks were loaded on a flat bed trailer and appropriately labelled by the contractor. Throughout the entire removal process there were no releases documented from any of the underground storage tanks. Therefore, after labelling was completed, the tanks were transported to the Bass Electric Company office complex in Rocky Mount, North Carolina.

D. Sample Collection Process

The soils which were encountered within the tankfarm and excavation product line trenches were collected and screened in accordance with Exxon Company U.S.A., Inc. guidelines. Upon removal of soil to the surface by the trackhoe loader or backhoe, representative soil samples were removed from the loader buckets by a clean sampling spoon. Each sample was split in order to perform HNU photoionization screening while preserving the other half for possible analytical tests per EPA protocol.

The soil samples retrieved from the loader buckets were visually examined by a field geologist. The samples to be scanned with the HNU photoionization detector were placed in glass jars to approximately one half full, with aluminium foil being placed over the mouth for sealing purposes. The jars were then capped and placed out of direct sunlight for approximately twenty (20) minutes. After the soil vapor was thought to have reached equilibrium, the probe of the HNU meter was inserted into the headspace of each jar and the vapor concentration corresponding to that particular sample was measured and recorded. The concentrations measured are listed on Table 1.

Upon completion of the field HNU scanning, two (2) soil samples, one under each end of each of the 6,000 gallon tanks, were removed from approximately two (2) feet into the native undisturbed soils. The samples were placed into separate glass jars with Teflon lined screw on caps by utilizing a clean sampling spoon. Samples from the line trench and pump island areas were also collected by similar protocol.

The samples pertaining to the gasoline underground storage tanks and product piping were then placed on ice within an insulated cooler and transported to REIC Laboratory in Princeton, West Virginia. The analytical tests which were performed on the soil samples were Total Petroleum Hydrocarbons (TPH) by the GC Method 5030 as an extraction method.

The samples collected from the used oil and fuel oil excavations were collected and screened within the same protocols listed above. However, the analytical tests which were performed on the fuel oil sample consisted of TPH by GC utilizing EPA method 3550 as the extraction method. The used oil soil sample was analyzed for TPH by GC utilizing EPA method 9071 as the extraction method.

E. Fluids Encountered in the Tankhole

During the tank excavation assessment, there were no fluids encountered within the tankhole or product line trenches.

F. Treatment/Disposal of Excavation Soils

With regard to the soils stockpiled on site, approximately 2,000 tons of material was transported to Cherokee Sanford Group, Inc. in Sanford, North Carolina. The material will be incinerated at this location and made into usable brick material.

G. Conclusions

The results of the soil screening and analytical laboratory testing compiled during the tank excavation assessment show

that hydrocarbon constituents are found to be present in the residual soils at this site. The hydrocarbon presence in the soils were encountered throughout the old gasoline tankfarm and product line trenches.

Table 1 shows that the HNU photoionization detector measured hydrocarbon presence throughout the limits of all of the old excavation area. The levels were found to remain fairly consistent throughout the gasoline tankfarm and product line trenches, with somewhat lower levels being measured in the used oil and fuel oil tank areas.

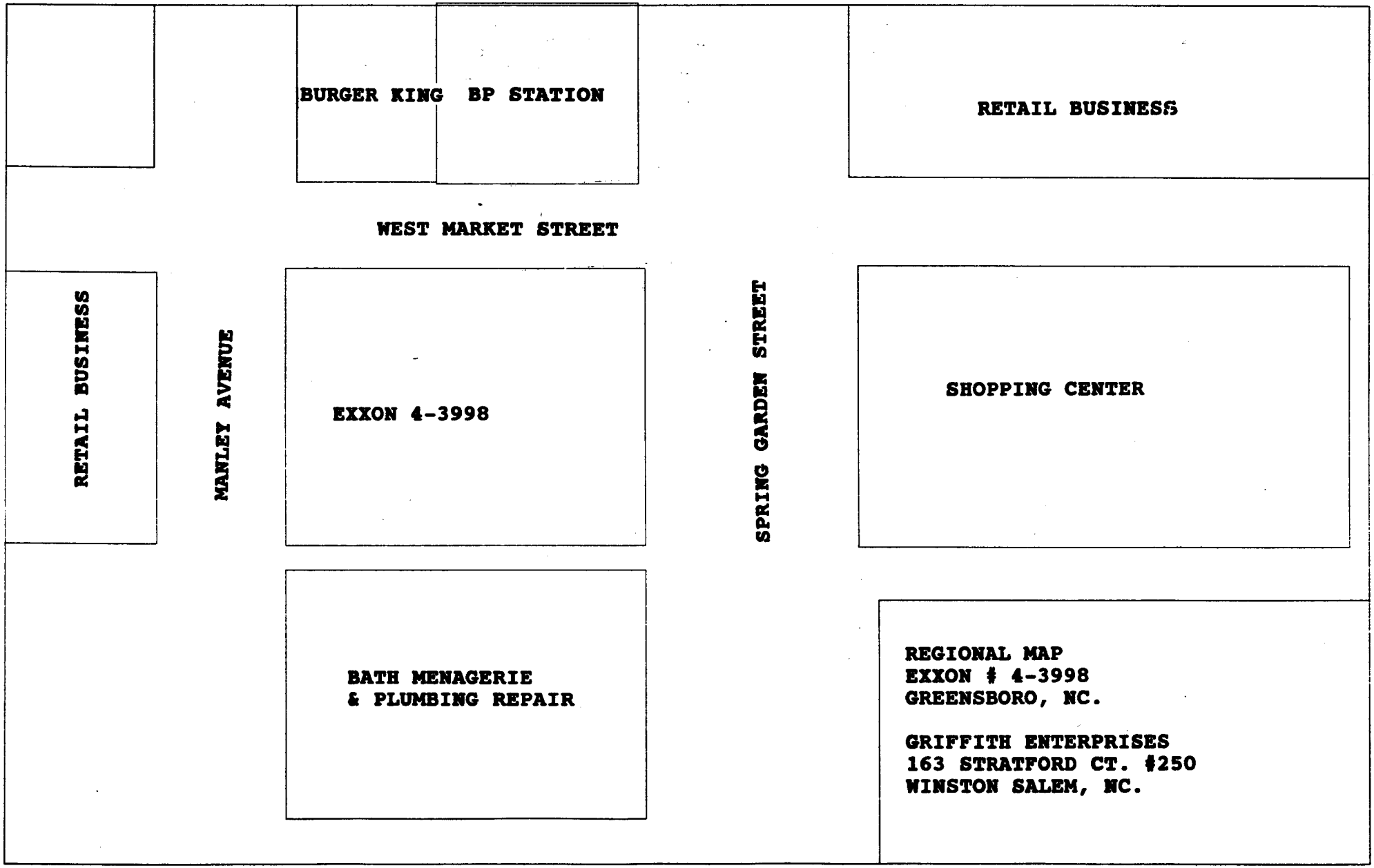
As shown on Table 2, analytical laboratory testing verify the field and soil screening results by showing hydrocarbon presence to exist throughout the old tankfarm and product line trench areas. TPH concentrations as measured by analytical laboratory testing ranged in the old tankfarm from nondetectable to 9,000 ppm. The TPH concentrations measured by the laboratory in the product line trenches showed a maximum concentration of 4,680 ppm. The distribution of constituent concentrations throughout the site are shown on the site base map.

In summary, residual hydrocarbon presence does exist in the subsurface soils at this site. During the excavation process, it was determined that over excavation of this area was not feasible due to site geological characteristics. This site is primarily comprised of soil horizons containing silt and clay silt sized particles.

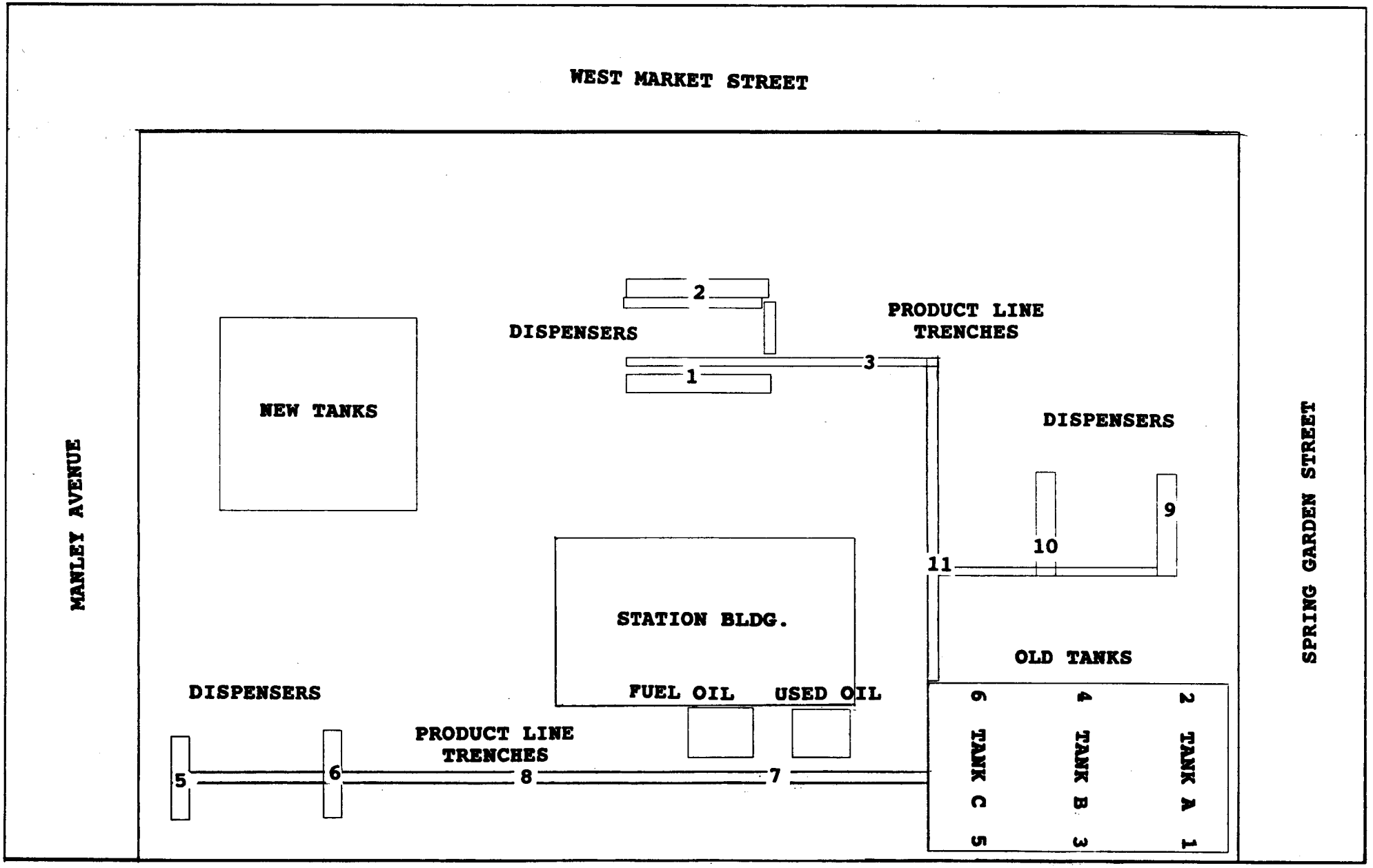
H. Limitations

This report was prepared for use by Exxon Company U.S.A., Inc. personnel to aid in assessment of this site. This report has been prepared in accordance with standard Exxon Company U.S.A., Inc. criteria, and no other warranties either expressed or implied are made.

Observations presented in this report are based upon data obtained from the excavation made at locations shown on the site plan. Variations which may exist on site may not become evident until a later date. If variations are noted, our company should be contacted so that we may re-examine site conditions and revise documentation if necessary.


BURGER KING
BP STATION
RETAIL BUSINESS
WEST MARKET STREET
RETAIL BUSINESS
MANLEY AVENUE
EXXON 4-3998
SPRING GARDEN STREET
SHOPPING CENTER
BATH MENAGERIE
& PLUMBING REPAIR
REGIONAL MAP
EXXON # 4-3998
GREENSBORO, NC.
GRIFFITH ENTERPRISES
163 STRATFORD CT. #250
WINSTON SALEM, NC.

SITE BASE MAP EXXON RAS #4-3998, GREENSBORO, NC.



SOIL SCREEN LOCATION MAP EXXON RAS # 4-3998 GREENSBORO, NC.

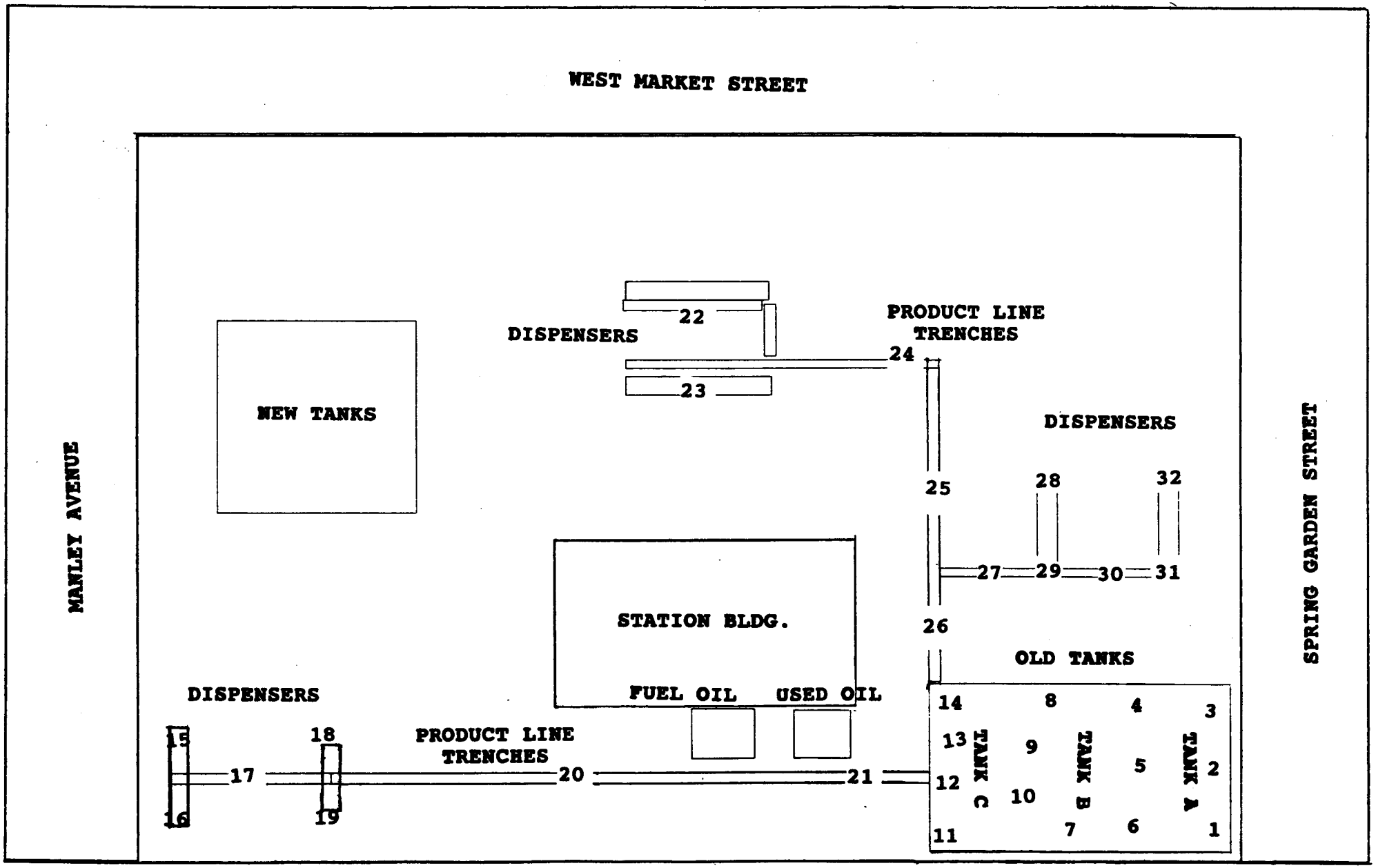


TABLE 1

SUMMARY OF HNU SOIL SCAN DATA IN PARTS PER MILLION (PPM) (TOTAL VOC)

LOCATION NUMBER	DEPTH	TOTAL VOC
1	6 FT.	10 PPM
2	8 FT.	8 PPM
3	9 FT.	25 PPM
4	7 FT.	15 PPM
5	4 FT.	18 PPM
6	6 FT.	5 PPM
7	8 FT.	30 PPM
8	13 FT.	120 PPM
9	11 FT.	75 PPM
10	10 FT.	65 PPM
11	9 FT.	85 PPM
12	10 FT.	40 PPM
13	11 FT.	90 PPM
14	11 FT.	80 PPM
15	3 FT.	50 PPM
16	3 FT.	55 PPM
17	3 FT.	5 PPM
18	3 FT.	20 PPM
19	3 FT.	60 PPM
20	3 FT.	5 PPM
21	3 FT.	35 PPM
22	3 FT.	30 PPM
23	3 FT.	0 PPM
24	3 FT.	0 PPM
25	3 FT.	5 PPM
26	3 FT.	55 PPM
27	3 FT.	10 PPM
28	3 FT.	5 PPM
29	3 FT.	6 PPM
30	3 FT.	10 PPM
31	3 FT.	10 PPM
32	3 FT.	5 PPM

TABLE 2

Summary of Soil Sample Analyses in Parts Per Million (PPM)

	TPH	METHOD
TANK A1	344	GC 5030
TANK A2	9,000	GC 5030
TANK B3	109	GC 5030
TANK B4	6,310	GC 5030
TANK C5	ND	GC 5030
TANK C6	5,460	GC 5030
DISP. 1	ND	GC 5030
DISP. 2	12.8	GC 5030
LINE 3	ND	GC 5030
DISP. 5	1,140	GC 5030
DISP. 6	1,490	GC 5030
LINE 7	ND	GC 5030
LINE 8	4,680	GC 5030
DISP. 9	ND	GC 5030
DISP. 10	15.9	GC 5030
DISP. 11	ND	GC 5030
FUEL OIL	22	GC 3550
USED OIL	ND	GC 9071

*See laboratory reports for used oil TCLP Metal Analyses.

**ND = Non Detected at Minimum Quantifying Level of 20 ppm.

Figure 2

Site Sensitivity Evaluation (SSE)

Guidelines for Remediation of Soil Contaminated by Petroleum
North Carolina Division of Environmental Management

Characteristic	Condition	Rating	
Soil pH	pH<5.0 or pH >9.0	4	
	8.0 < pH <9.0	2	
	5.0 ≤ pH <6.0	2	
	6.0 ≤ pH ≤8.0	0	0
Grain Size* Udden-Wentworth Scale	Contains >2/3, Gravel to Coarse Sand, (>1/2mm)	10	
	Contains >2/3, Medium to Fine Sand (<1/2mm - 1/8mm)	7	
	Contains >2/3, Very Fine Sand to Coarse Silt (<1/8mm - 1/32mm)	4	
	Contains >2/3, Medium Silt and Clay (<1/32mm)	0	0
Are Relict Structures, Sedimentary Structures, and/or Textures present in the zone of contamination & underlying "soils"	Present and Intersecting the Seasonal High Water Table	10	
	Present but not Intersecting the Seasonal High Water Table	5	
	None Present	0	5
Contaminant Class	I Low to Medium Boiling Point Hydrocarbons [C1-C15] and "some military jet fuels"	10	
	II High Boiling Hydrocarbons [C12-C20] and "other jet fuels"	5	10
Distance from Location of Deepest Contaminated Soil (>10 ppm TPH) to Seasonal High Water Table	5 - 10 feeet	10	
	>10-40	5	
	>40 feet	0	5
Is the Top of Bedrock located above the Seasonal Low Water Table ?	Yes	5	
	No	0	0
Is a Confining Layer present between bottom of contaminated soil and water table ?	No	5	
	Yes	0	5
Time since release of contaminant has occurred	>1 yr. or unknown	10	
	6 months-1 year	5	
	<6 months	0	10
Artifical Conduits present within the zone of contamination	Present & Intersecting the Seasonal High Water Table	10	
	Present but not Intersecting the Seasonal High Water Table	5	
	Not Present	0	5
		TOTAL SCORE	40

* Figure 3

Quality Analytical Services

REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

Drawer G • Cool Ridge, West Virginia 25825 • 1-304-787-3700
1-800-999-0105
FAX 1-304-787-3252

Job #: 0991-8515

September 30, 1991

Mr. Alan Griffith
Griffith Enterprises
163 Stratford Court
Suite 216
Winston Salem, NC 27103

Dear Mr. Griffith:

Please find enclosed the analysis report for the samples submitted to our laboratory on September 16, 1991. The samples are identified as West Main Street Exxon (4-3998). Please note that this report was faxed to your office on September 30, 1991

If you have any questions, please do not hesitate to call.

Thank you.

Sincerely,

James L. Hern, Ph. D.

enclosure
JLH/cas

Quality Analytical Services

REIC Laboratory

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1-800-999-0105
FAX 1-304-787-3252

**********ANALYSIS REPORT**********

JOB #: 0991-8515
SERVICES FOR: Griffith Enterprises
DATE SUBMITTED: 9-16-91
DATE SAMPLED: 9-13-91
DATE ANALYZED: 9-26-91
DATE COMPLETED: 9-26-91
METHOD OF ANALYSIS: As Noted Below
CUSTOMER JOB IDENTIFICATION: West Main Street Exxon (4-3998)

****

REIC SAMPLE #	GRIFFITH SAMPLE #	TPH --mg/kg--	METHOD	MQL
8515-1	S # 1	344	5030	12.5
8515-2	S # 2	9000	5030	250
8515-3	S # 3	109	5030	5.0
8515-4	S # 4	6310	5030	125
8515-5	S # 5	ND	5030	5.0
8515-6	S # 6	5460	5030	125

MQL - Minimum Quantifying Level
ND - None Detected at MQL
TPH - Total Petroleum Hydrocarbons

DATE 9-30-91

APPROVED Ray Erickson
Ray Erickson

REIC Laboratory

Drawer G, Cool Ridge, WV 25825

Custody № 04496

CHAIN OF CUSTODY RECORD

Date: 9-13-91

Customer Name Griffith Enterprises

Address _____

Person to Contact Alan Griffith Telephone 915 761 1137

Billing Address _____

Sample Collection Information

Sampling Site West Main Street Exxon (4-3558)

Project # _____ Sampler R Strawhorn

Date of Sample Shipment 9-13-91 How Shipped Del.

SAMPLE LOG AND ANALYSES REQUEST

Turnaround Requirements

_____ Regular

_____ Rush

Sample ID	Containers # and Type	Date	Time	Matrix	Grab / Comp.	Analysis Requested: TPH 5030	Remarks
S #1	9 oz Jar	9-13	4:00	Soil	Grab	X	
S #2	"					X	
S #3	"					X	
S #4	"					X	
S #5	"					X	
S #6	"					X	
	"						

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Condition on Arrival:
Richard Strawhorn	9-14-91 12:51 pm		8:00 am 9-16-91	

Comments _____

Possible Interfering Compounds _____

Requested by _____

Research, Environmental and Industrial Consultants, Incorporated
Drawer G, Cool Ridge, WV 25825 / 1-800-999-0105 or 304-787-3700 / FAX: 304-787-3252

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REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

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1-800-999-0105
FAX 1-304-787-3252

Job #: 0991-8458

September 25, 1991

Mr. Alan Griffith
Griffith Enterprises
163 Stratford Court
Suite 216
Winston Salem NC 27103

Dear Mr. Griffith:

Please find enclosed the analysis report for the samples submitted to our laboratory on September 11, 1991. The samples are identified as Exxon - 4-3998. Please note that this report was faxed to your office on September 24, 1991.

If you have any questions, please do not hesitate to call

Thank you.

Sincerely,

James L. Hern, Ph. D.

enclosure
JLH/cas

Quality Analytical Services

REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

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FAX 1-304-787-3252

**********ANALYSIS REPORT**********

JOB #: 0991-8458
SERVICES FOR: Griffith Enterprises
DATE SUBMITTED: 9-11-91
DATE SAMPLED: Not Available
DATE ANALYZED: 9-23-91
DATE COMPLETED: 9-23-91
METHOD OF ANALYSIS: As Noted Below
CUSTOMER JOB IDENTIFICATION: Exxon - 4-3998

****

REIC SAMPLE #	GRIFFITH SAMPLE #	TPH	METHOD	MQL
		----mg/kg----		
8458-1	1	ND	5030	5.0
8458-2	2	12.8	5030	5.0
8458-3	3	ND	5030	5.0

MQL - Minimum Quantifying Level
ND - None Detected at MQL
TPH - Total Petroleum Hydrocarbons

DATE 9-24-91

APPROVED Ray Erickson

Quality Analytical Services

REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

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1-800-999-0105
FAX 1-304-787-3252

Job #: 0991-8604

September 26, 1991

Mr. Alan Griffith
Griffith Enterprises
163 Stratford Court
Suite 216
Winston Salem NC 27103

Dear Mr. Griffith:

Please find enclosed the analysis report for the samples submitted to our laboratory on September 20, 1991. The samples are identified as West Market Exxon. Please note that this report was faxed to your office on September 25, 1991.

If you have any questions, please do not hesitate to call.

Thank you.

Sincerely,

James L. Hern, Ph. D.

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REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

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1-800-999-0105
FAX 1-304-787-3252

**********ANALYSIS REPORT**********

JOB #: 0991-8604
SERVICES FOR: Griffith Enterprises
DATE SUBMITTED: 09-20-91
DATE SAMPLED: 09-20-91
DATE ANALYZED: TPH (Sample #1) - 09-23-91
TPH (Sample #2) - 09-25-91
TCLP METALS - 09-25-91
DATE COMPLETED: 09-25-91
METHOD OF ANALYSIS: TCLP-1311
Analytical-SW846
Others: As Noted Below
CUSTOMER JOB IDENTIFICATION: West Market Exxon
CUSTOMER PROJECT #: 4-3398
CUSTODY #: 04333

****

REIC SAMPLE # / GRIFFITH SAMPLE #	8604-1 Waste Oil Tank	MQL	REGULATORY LEVEL
	---mg/l---		
TCLP			
arsenic	ND	0.010	5.0
barium	ND	0.50	100.0
cadmium	ND	0.025	1.0
chromium	ND	0.25	5.0
lead	ND	0.5	5.0
mercury	ND	0.0005	0.2
selenium	ND	0.010	1.0
silver	ND	0.05	5.0
initial pH	6.12		
final pH	4.83		
extraction fluid #1	2000 ml		
% solids	100 %		

REIC SAMPLE # / GRIFFITH SAMPLE #	8604-1 Waste Oil Tank	METHOD	MQL
	---mg/kg---		
TPH	ND	9071	20

Griffith Enterprises
Job #: 0991-8604

REIC SAMPLE #	8604-2		
GRIFFITH SAMPLE #	Fuel Oil Tank	METHOD	MQL
	---mg/kg---		
TPH	22	3550	20

ND - None Detected at MQL
MQL - Minimum Quantifying Level
TPH - Total Petroleum Hydrocarbons
Note: The TCLP list was derived from the Federal Register, Volume 55, Number 61, Page 11804.

DATE: 9-25-91 APPROVED: Ray Erickson

Ray Erickson for C. Scott
Claude Scott

REIC Laboratory

Drawer G, Cool Ridge, WV 25825

Custody № 04333

CHAIN OF CUSTODY RECORD

Date: 9-18-91

Customer Name Griffith Enterprises

Address 163 Strathmore Court Winston Salem

Person to Contact Alan Telephone 919-761 1137

Billing Address

Sample Collection Information

Sampling Site West Market Exxon (4-3398)

Project # Sampler R Strathmore

Date of Sample Shipment 9-20- How Shipped Pickup

SAMPLE LOG AND ANALYSES REQUEST

Turnaround Requirements

____ Regular

✓ Rush

Analysis Requested: TPH-9071, TCLP metals, TPH 3550

Sample ID	Containers # and Type	Date	Time	Matrix	Grab / Comp.	TPH-9071	TCLP metals	TPH 3550				Remarks
Waste oil tank	9oz Jar	9-18	12:00	Soil	Comp	✓	✓					combine the
Waste oil tank	9oz Jar	9-18	12:00	Soil	Comp							two jars
Fuel oil tank	9oz Jar	9-18	12:30	Soil	Comp			✓				combine the
Fuel oil tank	9oz Jar	9-18	12:30	Soil	Comp							two jars

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Condition on Arrival:

Comments

Possible Interfering Compounds

Requested by

Research, Environmental and Industrial Consultants, Incorporated
Drawer G, Cool Ridge, WV 25825 / 1-800-999-0105 or 304-787-3700 / FAX: 304-787-3252

Quality Analytical Services

REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

Drawer G • Cool Ridge, West Virginia 25825 • 1-304-787-3700
1-800-999-0105
FAX 1-304-787-3252

Job #: 0991-8671

October 2, 1991

Mr. Alan Griffith
Griffith Enterprises
163 Stratford Court
Suite 216
Winston Salem NC 27103

Dear Mr. Griffith:

Please find enclosed the analysis report for the samples submitted to our laboratory on September 25, 1991. The samples are identified as West Market Street. Please note that this report was faxed to your office on October 2, 1991.

If you have any questions, please do not hesitate to call.

Thank you.

Sincerely,

James L. Hern, Ph. D.

enclosure
JLH/cas

Quality Analytical Services

REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

Drawer G • Cool Ridge, West Virginia 25825 • 1-304-787-3700
1-800-999-0105
FAX 1-304-787-3252

**********ANALYSIS REPORT**********

JOB #: 0991-8671
SERVICES FOR: Griffith Enterprises
DATE SUBMITTED: 09-25-91
DATE SAMPLED: 09-19-91
DATE ANALYZED: 09-27-91
DATE COMPLETED: 10-01-91
METHOD OF ANALYSIS: As Noted Below
CUSTOMER JOB IDENTIFICATION: West Market Street
CUSTOMER PROJECT #: Exxon 4-3398
CUSTODY #: 04334

****

REIC SAMPLE #	GRIFFITH SAMPLE #	TPH	METHOD	MQL
		---mg/kg---		
8671-1	S-5 Pump Island	1,140	5030	250
8671-2	S-6 Pump Island	1,490	5030	125
8671-3	S-7 Line Trench	ND	5030	5.0
8671-4	S-8 Line Trench	4,680	5030	125
8671-5	S-9 Pump Island	ND	5030	5.0
8671-6	S-10 Pump Island	15.9	5030	12.5
8671-7	S-11 Pump Island	ND	5030	5.0

ND - None Detected at MQL
MQL - Minimum Quantifying Level
TPH - Total Petroleum Hydrocarbons

DATE: 10-2-91 APPROVED: Ray Erickson

REIC Laboratory

Drawer G, Cool Ridge, WV 25825

Custody № 04334

CHAIN OF CUSTODY RECORD

Date: 9-25-91

Customer Name Griffith Enterprises

Address 163 Stratford Court #250
Winston Salem NC

Person to Contact Alan Telephone 919 761 1137

Billing Address

Sample Collection Information

Sampling Site West Market Street Exxon 4-3398

Project # Sampler R Strehm

Date of Sample Shipment 9-25-91 How Shipped Pick up

SAMPLE LOG AND ANALYSES REQUEST

Turnaround Requirements

✓ Regular

____ Rush

Sample ID	Containers # and Type	Date	Time	Matrix	Grab / Comp.	Analysis Requested: TPH 5030						Remarks
S-5 Pump Island	40z Jar	9-19	10:00	Soil	Grab	X						
S-6 Pump Island	40z Jar	9-19	10:30	Soil	Grab	X						
S-7 line trench	40z Jar	9-19	11:00	Soil	Grab	X						
S-8 line trench	40z Jar	9-19	12:00	Soil	Grab	X						
S-9 Pump Island	40z Jar	9-19	2:00	Soil	Grab	X						
S-10 Pump Island	40z Jar	9-19	3:00	Soil	Grab	X						
S-11 Pump Island	40z Jar	9-19	5:00	Soil	Grab	X						

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	9-25-91 3:10	[signature]			
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Condition on Arrival:	
[signature]	9-25-91 3:45	[signature]	9-25-91 3:45		

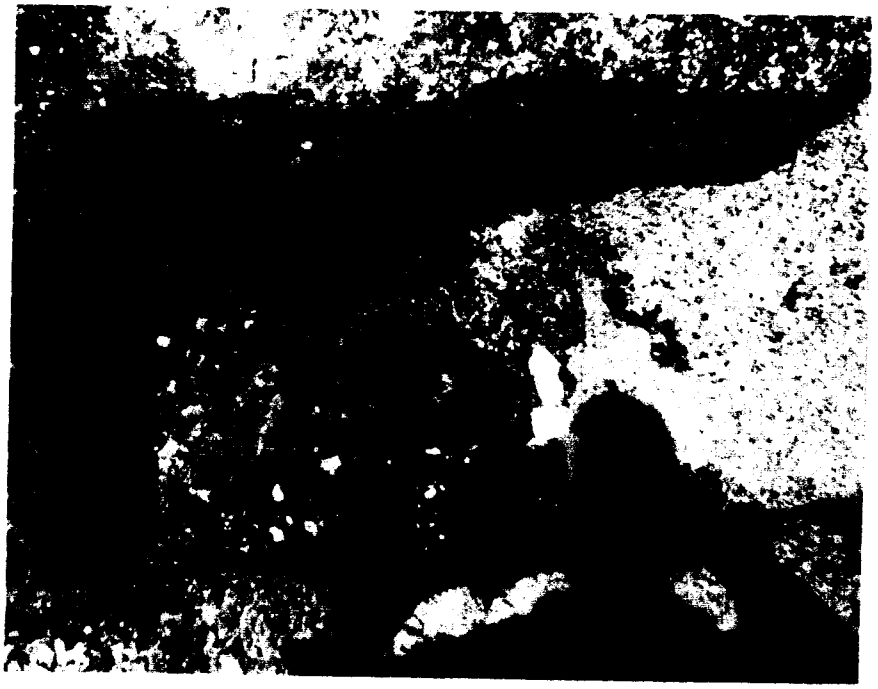
Comments

Possible Interfering Compounds

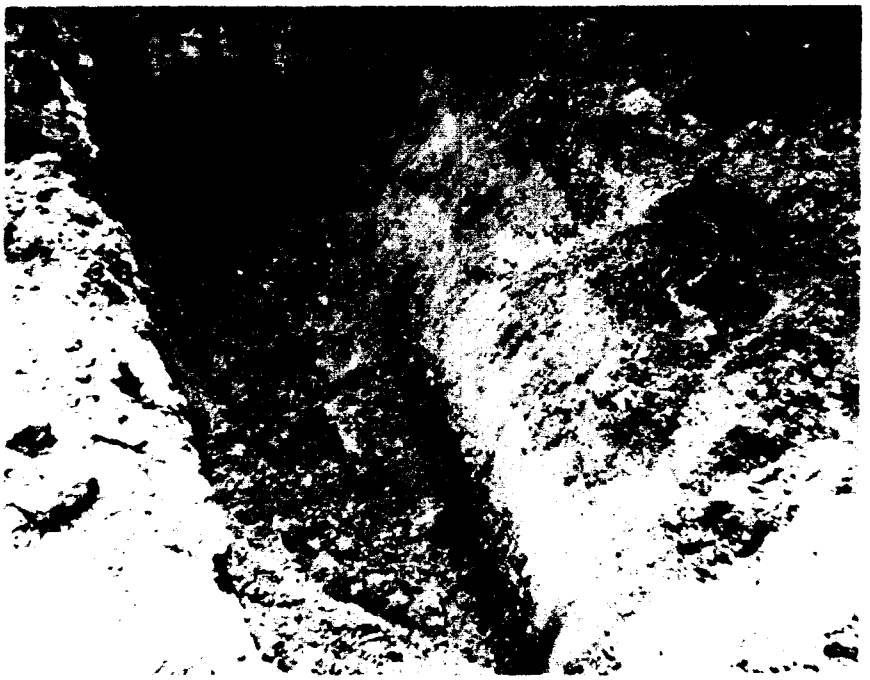
Requested by

Research, Environmental and Industrial Consultants, Incorporated
Drawer G, Cool Ridge, WV 25825 / 1-800-999-0105 or 304-787-3700 / FAX: 304-787-3252

Removing the soil from the top of the tanks.



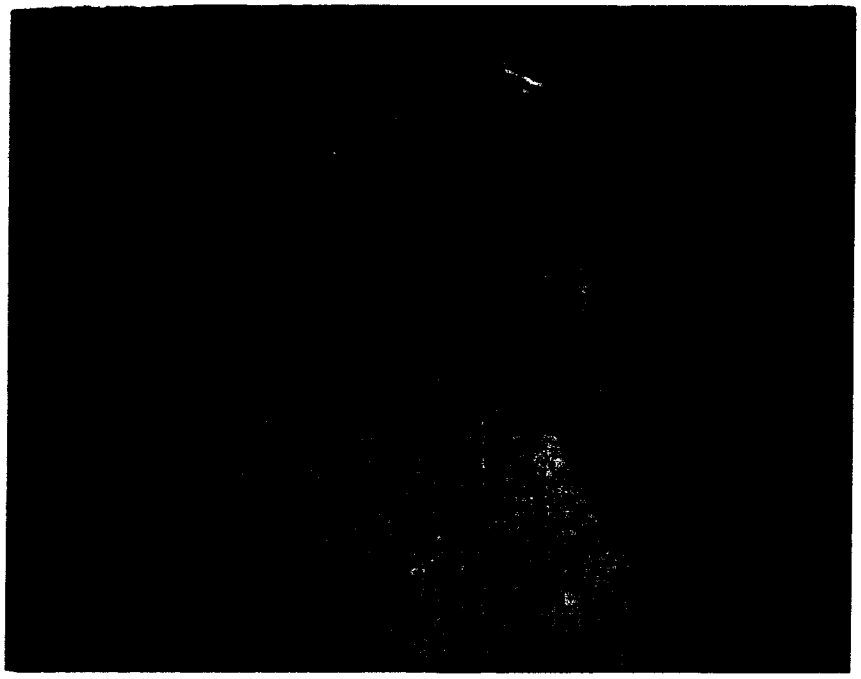
Excavating to the top of the tanks.



Removing soil from the side of the tanks.

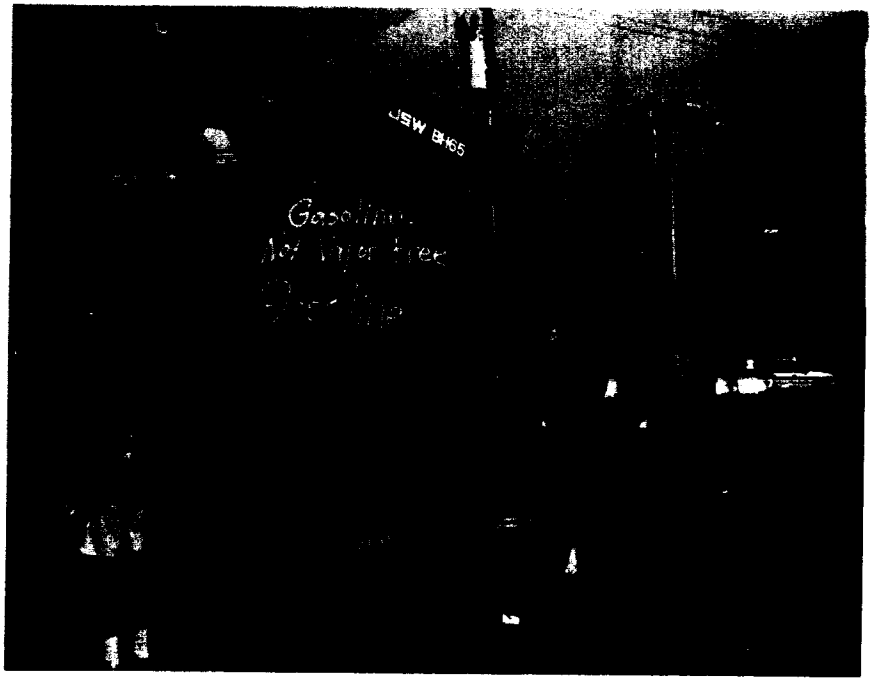
Preparing the tanks for removal.

Removing another tank from the excavation.



Removing the soil backfill from the excavation.

The bottom of the tank excavation.



Loading the tanks for transportation.