

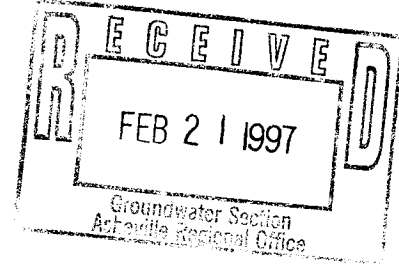
BKCO
13773
FRANK WHITE'S EXXON
MLS 2/21/97

ENVIROMARK, P.A.
ENVIRONMENTAL SERVICES

108 Coleman Avenue • Asheville, NC 28801
Tel (704) 254-4300
Fax (704) 254-1360

February 19, 1997

Mr. Michael Streeter
Groundwater Section
NC DEHNR/Division of Water Quality
59 Woodfin Place
Asheville, NC 28801-2482



Subject: 15A NCAC 2N .0704
Initial Site Characterization

Site: Frank White's Exxon
2204 S. Sterling Street
Morganton, NC

Facility ID 0-004260
GW Incident No. 13773
Site Priority Ranking 80E
Enviromark 1088

Dear Mr. Streeter:

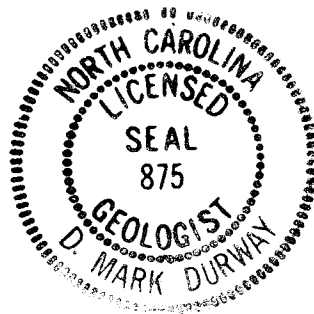
Please find enclosed the Initial Site Characterization Report for the referenced site. If you need additional information, please contact me. Thank you.

Sincerely,

ENVIROMARK, P.A.

A handwritten signature in black ink, appearing to read "D. Mark Durway".

D. Mark Durway, LG 875

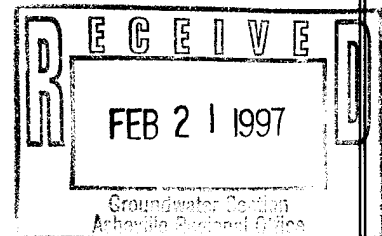


Enclosure

INITIAL SITE CHARACTERIZATION REPORT

FRANK WHITE'S EXXON

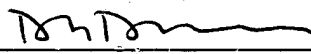
2204 S. Sterling Street
Morganton, NC



NC DEHNR Facility ID 0-004260
Enviromark 1088

Prepared by
ENVIROMARK, P.A.
Environmental Services
108 Coleman Avenue
Asheville, NC 28801
(704) 254-4300

February 20, 1997



D. Mark Durway, LG 875

TABLE OF CONTENTS

1.0	Introduction	1
2.0	Nature and Estimated Quantity of the Release	1
3.0	Environmental and Public Health Threat Potential	1
4.0	Site Check Results	2
5.0	Conclusions	4

1.0 Introduction

Robbins Oil Co., Inc. has retained Enviromark, P.A. to complete the 15A NCAC 2N .0704 Initial Site Characterization for Frank White's Exxon in Morganton, NC. This location consists of two 6000 and one 4000 gallon underground gasoline tanks, one 1000 gallon above ground kerosene tank, one 550 gallon underground waste oil tank, and one 550 gallon underground heating oil tank. With the exception of the kerosene and waste oil tanks, which are non-regulated, these tanks are registered under Facility ID 0-004260.

2.0 Nature and Estimated Quantity of the Release

Although petroleum impact has been observed to soil and groundwater, there are no specific records of releases having occurred at the site.

3.0 Environmental and Public Health Threat Potential

Water supply within the site vicinity is provided by the municipal water system, and there are no known water supply wells located within 1500 ft of Frank White's Exxon.

The nearest surface water body, East Prong Creek, is located approximately 300 ft to the east of Frank White's Exxon.

There are no known exposed contaminated soils at the site. Other known potential contaminant sources within 1500 ft of the site include a service station to the east where a documented petroleum release has occurred, and other known and potential source locations. There are no known subsurface utilities within the immediate tank vicinity.

4.0 Site Check Results

On February 24, 1995, a 21 ft deep monitoring well was installed and checked for free petroleum product. Sampling of this well on February 27, 1995 indicated gasoline constituents to be present. The location of MW-1 is indicated on the attached site map (Figure 3).

Following discovery of groundwater impact in MW-1, Robbins Oil Co., Inc. was required to perform a Comprehensive Site Assessment (CSA) to determine the extent of contamination (Appendix B). Although completion of the CSA requirement has been temporarily suspended by Senate Bill 1317, many CSA work phases including soil sampling and installation of additional monitoring wells were completed prior to enactment of the bill. Soil and groundwater data collected prior to bill enactment are summarized in the following three tables.

Table 1: Soil analytical data summary (collected 1-11-96)

<u>Sample/Depth</u>	<u>TPH 5030 (mg/kg)</u>	<u>Description</u>
S2-10'	<1	Reddish brown sandy clay silt, some mica; no petrol odor; 10 ft depth
S3-5/10'	310	Brown very fine micaceous clayey silt; gasoline odor; 5-10 ft interval
S3-10/15'	1200	Brown very fine micaceous clayey silt; gasoline odor; 10-15 ft interval
S4-5/10'	<1	Brown sticky clayey silt with some mica; some old gasoline odor; 5-10 ft interval
S4-10/15'	<1	Brown very fine micaceous sandy silt with some gasoline odor, but less than 1-10 ft interval; 10-15 ft interval
S5-5/10'	6200	Orange-brown silt with abundant golden mica; gasoline odor; 5-10 ft interval

Sample/Depth	TPH 5030 (mg/kg)	Description
S5-10/15'	2400	Orange-brown silt with abundant golden mica; gasoline odor; 10-15 ft interval
Detection limit	1	-----

Table 2: Ground water analytical data (MW-1 collected 2-28-95, others collected 1-11-96)

Sample	Halogenated Hydrocarbons/EPA Method 602 (ug/l)	Aromatic Hydrocarbons/EPA Method 601 (ug/l)	Dissolved Lead/EPA Method 3030C (mg/l)
MW-1	ND	Benzene, 20000 Toluene, 47000 Ethylbenzene, 3600 Xylenes, 27500 IPE, 8800 MTBE, 86000	Not analyzed
MW-2	Bromodichloro- methane, 4 chloroform, 14	Benzene, ND Toluene, ND Ethylbenzene, ND Xylenes, ND IPE, ND MTBE, ND	<.015
MW-3	ND	Benzene, 1900 Toluene, 24000 Ethylbenzene, 2400 Xylenes, 16000 IPE, 1300 MTBE, 3500	<.015
MW-4	Bromodichloro- methane, 2 Chloroform, 4	Benzene, 1500 Toluene, 270 Ethylbenzene, 25 Xylenes, 620 IPE, 270 MTBE, 1100	<.015
MW-5	ND	Benzene, 11000 Toluene, 37000 Ethylbenzene, 3300 Xylenes, 18000 IPE, 4500 MTBE, 5500	<.015
Detection Limit	---	---	---

Table 3. Monitoring well data (measured 1-11-96)

Well	Casing Diameter (In)	Depth (Ft)	Screen Interval (Ft)	Water Level (Ft)	Top of Casing (TOC)	Relative Water Level (Ft)	Observations
MW-1	2	21.0	6 to 21	9.51	97.55	88.04	gasoline film
MW-2	2	17.4	7 to 17	10.15	100	89.85	no odor
MW-3	2	17.0	7 to 17	9.85	98.76	88.91	gasoline odor
MW-4	2	17.0	7 to 17	9.62	98.29	88.67	gasoline odor
MW-5	2	17.0	7 to 17	10.18	98.88	88.70	gasoline odor

Soil and groundwater data are represented in Figures 4, 5 and 6. Well construction records and laboratory analyses are provided in Appendices C and D, respectively,

5.0 Conclusions

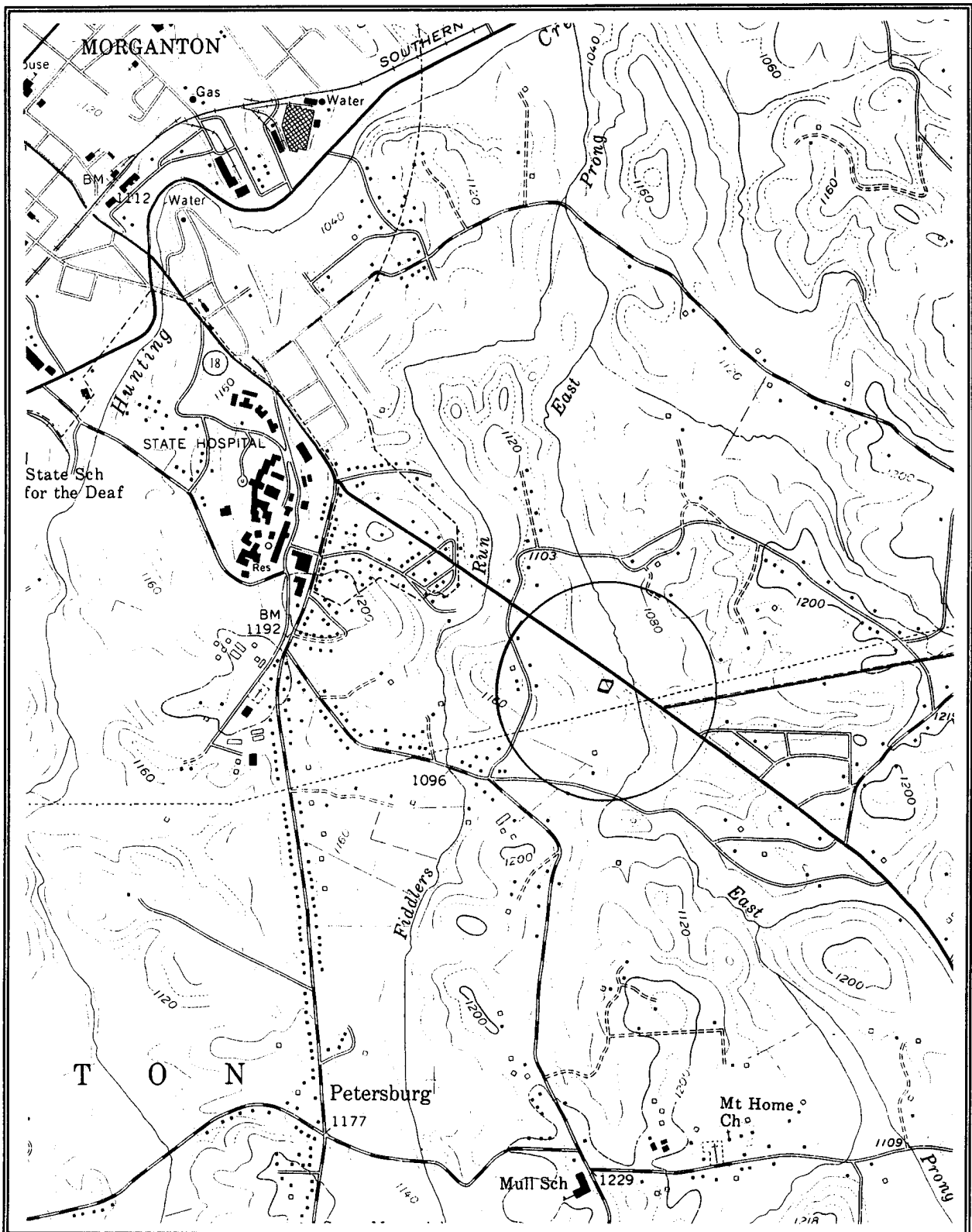
Petroleum impact to soil and groundwater have measured up to 6100 mg/kg (TPH GR) and 98,100 ug/l (total BTEX), respectively, with groundwater flow direction generally to the east. Although free product gasoline was identified at MW-1 immediately after well completion, recent monitoring shows only a film remains.

Since there are no known water supplies within a 1500 ft radius of the site, and no free product is currently present, no assessment or remedial action is recommended.

APPENDICES

APPENDIX A

FIGURES



0 FEET 2000

FIGURE 1. Frank White's Exxon and vicinity (USGS Morganton South, NC, 1956)



N



0 FEET 100

FIGURE 2.

Aerial view with property lines of Frank White's Exxon (Kimball photo, 1988, and map 2712-05, July 1995, Burke County Mapping Dept.)



AMOCO STATION

STERLING ST./HWY 18

GRASS

AMOCO MW-10

GRASS

CONCRETE

1000 GAL ABOVE GROUND KEROSENE TANK

MW-5

PUMP ISLANDS

MW-3

MW-1

550 GAL WASTE OIL TANK

WHITE'S EXXON

TANK PIT

MW-2

MW-4

4000 GAL PLUS 6000 GAL SUPREME 6000 GAL REGULAR

GRASS

WELL CUTTINGS STOCKPILED 75 FT SOUTH OF PARKING LOT CORNER

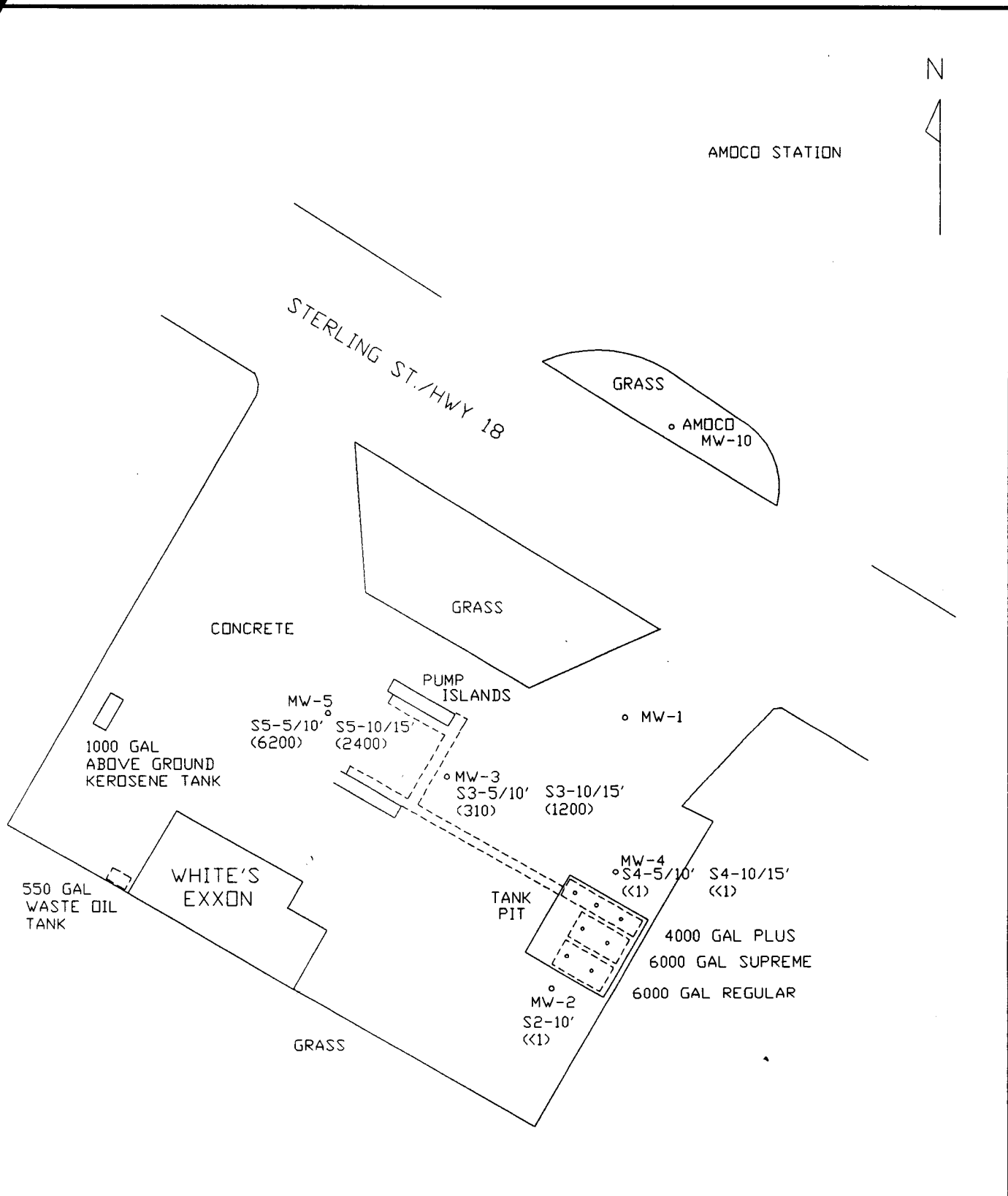
ENVIROMARK, PA
108 COLEMAN AVENUE
ASHEVILLE, NC 28801
TEL: (704) 254-4300

KEY
○ MONITORING WELL
-- USTS AND LINE TRENCHES

FIGURE 3. FRANK WHITE'S EXXON
2204 S. STERLING ST
MORGANTON, NC
SITE LAYOUT AND
WELL LOCATIONS

DRAWN BY: DMD
DATE: 6-25-96
FILE: 1088-2.DWG

0 40
FEET



AMOCO STATION

STERLING ST./HWY 18

GRASS

AMOCO MW-10

CONCRETE

GRASS

PUMP ISLANDS

MW-1

MW-5
S5-5/10' (6200) S5-10/15' (2400)

1000 GAL ABOVE GROUND KEROSENE TANK

MW-3
S3-5/10' (310) S3-10/15' (1200)

550 GAL WASTE OIL TANK

WHITE'S EXXON

TANK PIT

MW-4
S4-5/10' (<1) S4-10/15' (<1)

4000 GAL PLUS
6000 GAL SUPREME
6000 GAL REGULAR

GRASS

MW-2
S2-10' (<1)

ENVIROMARK, PA
108 COLEMAN AVENUE
ASHEVILLE, NC 28801
TEL. (704) 254-4300

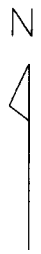
KEY
 ◦ monitoring well or soil sample
 -- UST or line trench

FIGURE 4. FRANK WHITE'S EXXON
2204 S. STERLING ST.
MORGANTON, NC

DRAWN BY: DMD
DATE: 2-20-97
FILE: 1088-2.DWG



Soil analytical data from 1-11-96
for TPH 5030 (mg/kg)



AMOCO STATION

STERLING ST./HWY 18

GRASS

o AMOCO MW-10

CONCRETE

GRASS

PUMP ISLANDS

o MW-5
(69,300)

o MW-1
(98,100)

1000 GAL ABOVE GROUND KEROSENE TANK

o MW-3
(44,300)

o MW-4
(2415)

550 GAL WASTE OIL TANK

WHITE'S EXXON

TANK PIT

o MW-2
(ND)

4000 GAL PLUS
6000 GAL SUPREME
6000 GAL REGULAR

GRASS

ENVIROMARK, PA
108 COLEMAN AVENUE
ASHEVILLE, NC 28801
TEL. (704) 254-4300

KEY
o monitoring well or soil sample
-- UST or line trench

FIGURE 5. FRANK WHITE'S EXXON
2204 S. STERLING ST.
MORGANTON, NC

DRAWN BY: DMD
DATE: 2-20-97
FILE: 1088-2.DWG



Groundwater analytical data from
2-28-95 (MW-1 only) and 1-11-96
for total BTEX by EPA 602 (ug/l)



AMOCO STATION

STERLING ST./HWY 18

GRASS
o AMOCO
MW-10

CONCRETE

GRASS

PUMP
ISLANDS

MW-5
(88.70)

MW-3
(88.91)

MW-1
(88.04)

1000 GAL
ABOVE GROUND
KEROSENE TANK

88.0

550 GAL
WASTE OIL
TANK

WHITE'S
EXXON

TANK
PIT

MW-4
(88.67)

88.5

4000 GAL PLUS

6000 GAL SUPREME

6000 GAL REGULAR

89.0

MW-2
(89.85)

89.5

GRASS

90.0

Groundwater
Flow direction

ENVIROMARK, PA
108 COLEMAN AVENUE
ASHEVILLE, NC 28801
TEL. (704) 254-4300

KEY
o monitoring well or
soil sample
-- UST or line trench

FIGURE 6. FRANK WHITE'S EXXON
2204 S. STERLING ST.
MORGANTON, NC

DRAWN BY: DMD
DATE: 2-20-97
FILE: 1088-2.DWG



Potentiometric surface relative
to datum (ft) and groundwater
flow direction

APPENDIX B

REGULATORY CORRESPONDENCE

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Water Quality

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
A. Preston Howard, Jr., P.E., Director
Asheville Regional Office



GROUNDWATER SECTION

July 22, 1996

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

P 602 706 811

Mr. Jim Robbins
Robbins Oil Company
P.O. Box 207
Forest City, NC 28043

Dear Mr. Robbins:

SUBJECT: Site Priority Ranking
Frank White's Exxon
Incident No. 13773
Burke County, North Carolina

In a recent letter, this office informed you that the subject site had been assigned a priority ranking of 80 B. The purpose of this letter is to inform you that the subject site has been reassigned a priority ranking of 80 E with free product. Please be advised the only reimbursable costs at this site under the State Trust Fund will be for free product recovery operations approved by this office. If you have any questions, please feel free to phone Michael Streeter at (704) 251-6208.

Sincerely,

Donald R. Link
Regional Groundwater Supervisor

cc: Arthur Mouberry
Mark Arway

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Environmental Management



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
A. Preston Howard, Jr., P.E., Director

Groundwater Section

May 3, 1996

Mr. James Haynes
Robbins Oil Company, Inc.
P. O. Box 207
Forest City, NC 28043

Re: Frank White's Exxon (UST Facility ID # 0-004260)
2204 S. Sterling Street
Morganton, Burke County, North Carolina
Incident # 13773, Priority Ranking 80E

Dear Mr. Haynes:

This letter is to respond to your request for eligibility determination for access to the North Carolina Leaking Petroleum Underground Storage Tank Cleanup Funds for property at the above-referenced location. Review of your application by the Division of Environmental Management Asheville Regional Office and the Raleigh Central Office is now complete.

According to our records, evidence of a release was detected from two 6,000-gallon gasoline underground storage tanks (USTs) and one 4,000-gallon gasoline UST in March of 1995. A review of the tank operating fees database indicates that all required fees were paid prior to the release discovery date.

Based on the aforementioned information, the State Trust Fund Group finds the incident associated with the three gasoline USTs conditionally eligible for reimbursement from the Commercial Trust Fund. In order to remain eligible, you must proceed with corrective action as required. Failure to mitigate the spread of contamination may cause you to be determined ineligible to receive reimbursement from the Commercial Trust Fund.

In accordance with N.C.G.S. 143-215.94E, only reasonable and necessary costs incurred in the environmental cleanup of this site will be eligible for reimbursement after incurring an initial deductible of \$20,000 per occurrence. You will be reimbursed for cleanup costs which exceed \$20,000 as follows: 100 percent of reasonable and necessary costs between \$20,000 and \$1 million, and 80 percent of reasonable and necessary costs between \$1 million and \$1.5 million.

If further information indicates that the 550-gallon waste oil UST or the above-ground storage tank at this site have contributed to the contamination, then the deductible amount and percentage of reimbursement will need to be reconsidered.

Groundwater Section,
P.O. Box 29578, Raleigh, North Carolina 27626-0578
2728 Capital Blvd., Raleigh, North Carolina 27604



Voice 919-733-3221 FAX 919-715-0588
An Equal Opportunity/Affirmative Action Employer
50% recycled/10% post-consumer paper

Mr. James Haynes

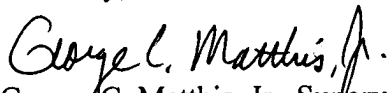
May 3, 1996

Page 2 of 2

Please confer with either this office or the Asheville Regional Office should there be any questions regarding completion of reimbursement forms, or activities that may require additional cost documentation prior to implementation, such as soil or groundwater remediation systems. Please be advised that temporary rule changes to 15A NCAC 2P [.0402(a)(5)] and 15A NCAC 2L [.0106(r) and .0106(s)] became effective on January 2, 1996. These changes require that UST owners/operators and landowners seeking reimbursement from the State Trust Funds, evaluate the applicability of their sites for corrective action pursuant to Paragraphs k, l, and m of 15A NCAC 2L .0106 and to implement such corrective action if appropriate.

If I may be of further assistance, please do not hesitate to contact me at (919) 733-1332.

Sincerely,


George C. Matthis, Jr., Supervisor
State Trust Fund Group

GCM:jh:frkwhite.eli

cc: Mike Streeter, Asheville Regional Office
Jeanne Hartzell, State Trust Fund Group
D. Mark Durway
Enviromark
108 Coleman Avenue
Asheville, NC 28801

State of North Carolina
Department of Environment,
Health and Natural Resources
Asheville Regional Office



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Nann B. Guthrie, Regional Manager

GROUNDWATER SECTION

NOTICE OF REGULATORY REQUIREMENTS

January 27, 1995

CERTIFIED MAIL (Z 151 182 593)
RETURN RECEIPT REQUESTED

Mr. Jim Robbins
Robbins Oil Company
PO Box 207
Forest City, NC 28043

SUBJECT: Frank White's Exxon
2204 S. Sterling Street, Morganton
Burke County, North Carolina

Dear Mr. Robbins:

Based upon information received by this office, we have reason to believe that a release from the underground storage tank system at the above referenced site has occurred. This letter is a standard notification to advise you of the legal requirements pertaining to such a release under North Carolina law. The Division of Environmental Management administers the State's rules for underground storage tanks and the required corrective action for petroleum releases adopted pursuant to Chapter 143 of the North Carolina General Statutes. The State rules for underground storage tanks are located in Title 15A, Subchapter 2N of the North Carolina Administrative Code (NCAC). Also, the State rules for groundwater contamination are located in Title 15A, Subchapter 2L of the Code. Pursuant to 15A NCAC 2N .0203, Robbins Oil Company is the owner and/or operator of the underground storage tanks and therefore must comply with the release response and corrective action requirements of the State's rules. A copy of this section of the rules (.0700) is attached for your reference.

Title 15A NCAC 2N .0702 requires Robbins Oil Company to take immediate action to prevent any further release of the regulated substance into the environment and identify and mitigate any fire, explosion, and vapor hazards. Upon receipt of this notice, Robbins Oil Company must immediately perform these requirements if not already addressed.

Title 15A NCAC 2N .0703 requires Robbins Oil Company to undertake certain initial abatement measures, perform a site check, and if free product is discovered, begin recovery within 14 days thereafter. A report of the measures Robbins Oil Company has taken to comply with this rule must be received by the Asheville Regional Office at the letterhead address no later than 20 days from the receipt of this letter.

Title 15A NCAC 2N .0704 requires that Robbins Oil Company assemble information about the nature and quantity of the release itself and certain surrounding demographic conditions. A report of this information must be received by the Asheville Regional Office by no later than 45 days from the receipt of this letter.

Title 15A NCAC 2N .0705 describes the requirements for removal of free product if discovered during the initial site check. A report describing the free product removal measures being undertaken must be received by the Asheville Regional Office by no later than 45 days from the receipt of this letter.

If certain conditions exist as described in the rule, 15A NCAC 2N .0706 requires that Robbins Oil Company conduct a comprehensive investigation of the release to determine the full extent and location of soils contaminated and any concentrations of dissolved product contamination in the State's groundwaters. This rule requires Robbins Oil Company to determine the full horizontal and vertical extent of the contamination caused by the release from its underground storage tank system. In order to comply with this requirement, it may be necessary to go beyond the release site and onto surrounding areas to determine the full extent of contamination. If conditions determined in the initial site check require this investigation, then a complete report of the required investigation must be submitted to the Asheville Regional Office by no later than 90 days after receipt of this letter.

A corrective action plan is required if in-situ soil concentrations are detected above State action levels (see sections 6.0 and 8.0 of the Groundwater Section Guidelines for the Remediation of Soils and Groundwater, March 1993, Revision June 1994, for guidance pertaining to soil clean-up levels and soil excavation procedures) and/or groundwater concentrations exceed groundwater standards (see Title 15A, Subchapter 2L .0202 for the State groundwater quality standards). If the State's groundwater has been contaminated, Title 15A, Subchapter 2L .0106 requires that a corrective action plan be submitted, approved, and implemented until such time that Robbins Oil Company can demonstrate that continuation of the corrective action plan would not result in any significant reduction in the concentration of contaminants. If a corrective action plan is required, then public notice of the plan must be provided pursuant to 15A NCAC 2N .0708.

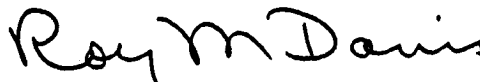
With the exception of the 20 day report required by 15A NCAC 2N .0703, the Asheville Regional Office may establish, in writing, an alternate compliance schedule for the remaining requirements of the corrective action rules and may allow certain of the required reports to be combined. In order for such an alternate compliance schedule to be considered, Robbins Oil Company must contact the Asheville Regional Office immediately and follow-up in writing with a proposed schedule. Otherwise the requirements and deadlines of each rule are expected to be complied with. Upon any violations of established deadlines, no further notice will be sent and this office may immediately request that enforcement measures be commenced.

In accordance with G.S. 143-215.6A, failure to comply with the State's rules may result in the assessment of civil penalties against Robbins Oil Company of up to \$10,000 per rule violation. Also, if groundwater standards have been exceeded under 15A NCAC 2L .0202, Robbins Oil Company may also be assessed a civil penalty of up to \$10,000 for each standard violation. Each day that a violation continues may be considered a separate violation.

Failure to comply with the corrective action rules may also result in the Attorney General of the State requesting an injunction in Superior Court requiring the necessary measures. Also any willful or knowing noncompliance which allows groundwater standards to continually be exceeded could result in criminal sanctions being sought under G.S. 143-215.6B.

To arrange for an alternate compliance schedule, you should contact Michael Streeter, of the Asheville Regional Office, at the letterhead address and/or telephone number.

Sincerely,



Roy M. Davis
Regional Supervisor

RMD/mes

Enclosures

cc: Arthur Mouberry
Burrie Boshoff
Burke County Health Department

TANK ID	TANK CAPACITY	CAS/CERCLA	INSTALL DATE	DATE REMOVED	TANK STATUS	PROD MAT	INT EXT	PIP	CER LD	LD PRT	TK PI	TK PI	FL
0-007133	EAST UNION STREET SPACE		216 EAST UNION STREET		MORGANTON			NC 28655					(704) 437-67
OWNER:	PETROLEUM WORLD, INC.		P.O. BOX 307 / HIGHWAY 120		CLIFFSIDE			NC 28024					(704) 453-73
1	15,000		1976/05/02	1991/05/29	3		13	6					
2	15,000		1976/05/02	1991/05/29	3		13	6					
3	10,000		1976/05/02	1991/05/29	3		13	6					
0-007373	U.S. POSTAL SERVICE		216 N. STERLING ST		MORGANTON			NC 28655					(704) 433-87
OWNER:	AIRLIE CORP		PO BOX 1138		MORGANTON			NC 28680					(704) 433-87
1	10,000		1963/05/04	1994/06/14	8		3	15	12				
0-030124	FAST WAY OIL CHANGE		218 AVERY AVE		MORGANTON			NC 28655					(704) 433-74
OWNER:	FAST WAY OIL CHANGE		218 AVERY AVE		MORGANTON			NC 28655					(704) 433-74
1	5,000		1964/01/01	1994/05/17	14		3	13	6				
0-011042	GRACE HOSPITAL, INC.		2201 S STERLING ST		MORGANTON			NC 28655					(704) 438-22
OWNER:	GRACE HOSPITAL, INC.		2201 S STERLING ST		MORGANTON			NC 28655					(704) 438-22
1	20,000		1971/03/01		2		3	15	6				
2	7,000	EMERGENCY GEN	1971/03/01		1		3	15	6				
3	500		1979/02/27	1994/06/07	3		3	15	6				
4	500		1979/02/27	1994/06/07	3		3	15	6				
0-011071	EMS		2201 S STERLING STREET		MORGANTON			NC 28655					(704) 433-40
OWNER:	BURKE COUNTY		P.O. BOX 219		MORGANTON			NC 28655					(704) 433-40
1	1,000		1974/03/01	1990/12/30	3		3	15	12				
2	550		1974/09/25	1990/12/30	1		3	15	12				
0-004260	FRANK WHITE'S EXXON 4-5881		2204 SOUTH STERLING @ I-40		MORGANTON			NC 28655					(704) 433-40
OWNER:	ROBBINS OIL CO., INC.		PO BOX 207/WEST MAIN DRIVE		FOREST CITY			NC 28043					(704) 245-70
1	6,000		1970/04/15		3		3	1	3				N A A
2	6,000		1970/04/15		3		3	1	3				N A A
3	4,000		1970/04/15		3		3	1	3				N A A
4	550		1970/04/15		14		3	1	3				N A A

245-7276

James Hayes

GWI65B/EPA/FOCUS

APPENDIX C

WELL RECORDS

FOR OFFICE USE ONLY
 QUAD NO. _____ SERIAL NO. _____
 _____ Long _____ IRO _____
 Minor Basin _____
 Basin Code _____
 _____ GWJ Ent _____

WELL CONSTRUCTION RECORD

DRILLING CONTRACTOR: ENVIROMARK STATE WELL CONSTRUCTION
 DRILLER REGISTRATION NUMBER: 1542 PERMIT NUMBER: N/A MW-1

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: MORGANTON County: BURKE

2204 S. STERLING ST (NC HWY 18)
 (Road, Community, or Subdivision and Lot No.)

2. OWNER ROBBINS OIL CO., INC
 ADDRESS PO Box 207
 (Street or Route No.)
FOREST CITY NC 28043
 City or Town State Zip Code

DEPTH (FT)		DRILLING LOG
From	To	Formation Description
0	0.5	ASPHALT
0.5	5	Red brown to brown very micaceous very fine sandy, clayey silt, sticky, & No petrol odor, slight moist
5	10	A/A but distinct petrol odor, moist
10	15	A/A but less distinct petrol odor, Lt brn to yellow tan sat.
15	21	gas odor, A/A, saturated

3. DATE DRILLED 2-24-95 USE OF WELL MONITORING
 4. TOTAL DEPTH 21 FT
 5. CUTTINGS COLLECTED YES NO
 6. DOES WELL REPLACE EXISTING WELL? YES NO
 7. STATIC WATER LEVEL Below Top of Casing: 7.04 FT.
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS _____ FT. Above Land Surface*

* Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): _____ METHOD OF TEST NOT TESTED

10. WATER ZONES (depth): ≥ 7 FT

11. CHLORINATION: Type N/A Amount _____

12. CASING:

Depth	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>0</u> To <u>6</u> Ft.	<u>2 IN</u>		<u>PVC</u>
From _____ To _____ Ft.			
From _____ To _____ Ft.			

13. GROUT:

Depth	Material	Method
From <u>4</u> To <u>5</u> Ft.	<u>BENTONITE</u>	<u>POURED</u>
From <u>0</u> To <u>4</u> Ft.	<u>CEMENT</u>	<u>POURED</u>

14. SCREEN:

Depth	Diameter	Slot Size	Material
From <u>6</u> To <u>21</u> Ft.	<u>2 in.</u>	<u>0.010 in.</u>	<u>PVC</u>
From _____ To _____ Ft.			
From _____ To _____ Ft.			

15. SAND/GRAVEL PACK:

Depth	Size	Material
From <u>5</u> To <u>21</u> Ft.	<u>FINE</u>	<u>QTZ SAND</u>
From _____ To _____ Ft.		

16. REMARKS: WATER HAS PETROL ODOR. NO FREE PRODUCT WHEN CHECKED AFTER DEVELOPMENT ON 2-24-95 AND AGAIN ON 2-27-95.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

LOCATION SKETCH
 (Show direction and distance from at least two State Roads, or other map reference points)

[Signature]

SIGNATURE OF CONTRACTOR OR AGENT
 Submit original to Division of Environmental Management and copy to well owner.

3-7-95
 DATE

Robbins Oil/Frank White's Exxon/1088/0-004260
WELL CONSTRUCTION RECORD

FOR OFFICE USE ONLY		
QUAD NO.	SERIAL NO.	
Lat.	Long.	RO
Minor Basin		
Basin Code		
Header Ent.		GW Ent.

DRILLING CONTRACTOR: ENVIROMARK, P.A.

DRILLER REGISTRATION NUMBER: 1542

STATE WELL CONSTRUCTION PERMIT NUMBER: Not required/ MW-2

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Morganton County: Burke

2204 S. Sterling St (NC 18), Morganton, NC
 (Road, Community, or Subdivision and Lot No.)

2. OWNER Robbins Oil Company, Inc.

ADDRESS PO Box 207
 (Street or Route No.)

Forest City NC 28043
 City or Town State Zip Code

3. DATE DRILLED 1/10/96 USE OF WELL Monitor

4. TOTAL DEPTH 17 FT

5. CUTTINGS COLLECTED YES NO

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing: 10-15 FT. (// // /96)
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*

* Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): --- METHOD OF TEST ---

10. WATER ZONES (depth): ---

11. CHLORINATION: Type N/A Amount N/A

12. CASING:

From	Depth	To	Diameter	Wall Thickness or Weight/Ft.	Material
0		7	in		Sch 40 PVC

13. GROUT:

From	Depth	To	Material	Method
0		8	neat cement	slurry
8		9	bentonite	"

14. SCREEN:

From	Depth	To	Diameter	Slot Size	Material
10		17	2 in.	.010 in.	Sch 40 PVC

15. SAND/GRAVEL PACK:

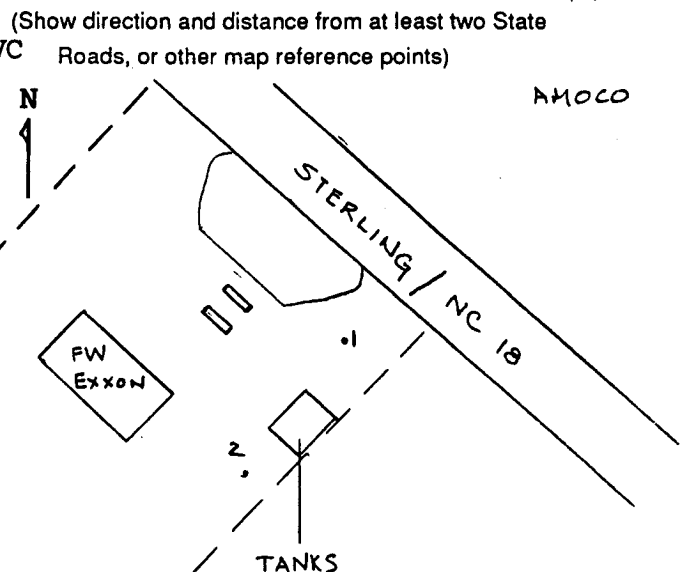
From	Depth	To	Size	Material
9		17	fine	silica sand

16. REMARKS: Total hydrocarbon vapor (ppm) by GasTech 201.

DEPTH (ft)		DRILLING LOG
From	To	Formation Description
0	1	Asphalt + gravel
1	12	reddish brown sandy clayey silt w some rf mica. no odor
12	20	lt brown vf sdy micaceous silt, low clay content; no petrol odor
		water has possible gasoline odor

If additional space is needed use back of form

LOCATION SKETCH



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] / ENVIROMARK, P.A. 1/10/96
 SIGNATURE OF CONTRACTOR OR AGENT DATE
 Submit original to Division of Environmental Management and copy to well owner.

FOR OFFICE USE ONLY	
QUAD NO.	SERIAL NO.
Latitude	Longitude
Miner Name	Miner No.
Permit No.	GW-1-Ent

Robbins Oil/Frank White's Exxon/1088/0-004260
WELL CONSTRUCTION RECORD

DRILLING CONTRACTOR: ENVIROMARK, P.A.

STATE WELL CONSTRUCTION PERMIT NUMBER: Not required/ MW-3

DRILLER REGISTRATION NUMBER: 1542

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Morganton County: Burke

2204 S. Sterling St (NC 18), Morganton, NC
 (Road, Community, or Subdivision and Lot No.)

2. OWNER Robbins Oil Company, Inc.

ADDRESS PO Box 207
 (Street or Route No.)

Forest City NC 28043
 City or Town State Zip Code

3. DATE DRILLED 1/10/96 USE OF WELL Monitor

4. TOTAL DEPTH 17 FT

5. CUTTINGS COLLECTED YES NO

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing: 9.85 FT. (1/11/96)
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*

* Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): --- METHOD OF TEST ---

10. WATER ZONES (depth): ---

11. CHLORINATION: Type N/A Amount N/A

12. CASING:

From	To	Depth	Diameter	Wall Thickness or Weight/Ft.	Material
0	7	Ft.	in		Sch 40 PVC

13. GROUT:

From	To	Depth	Material	Method
0	8	Ft.	neat cmt	slurry
8	9	Ft.	bentonite	"

14. SCREEN:

From	To	Depth	Diameter	Slot Size	Material
10	17	Ft.	2	in. .010	in. Sch 40 PVC

15. SAND/GRAVEL PACK:

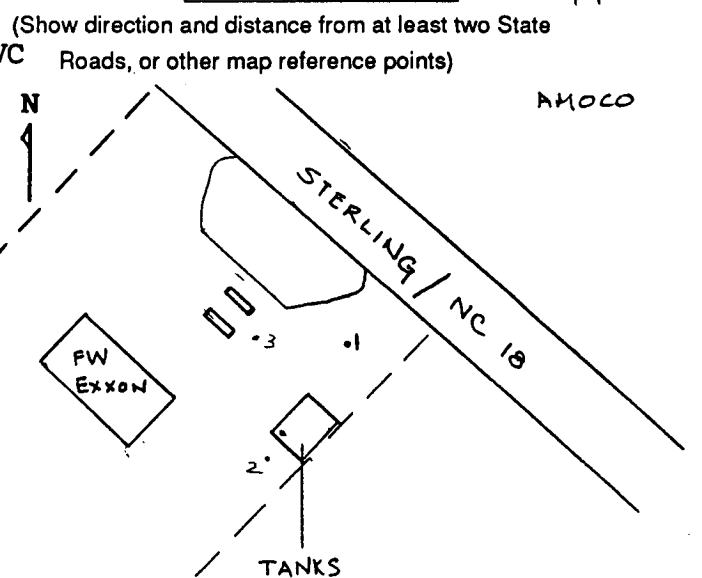
From	To	Depth	Size	Material
9	17	Ft.	fine	silica sand

16. REMARKS: Total hydrocarbon vapor (ppm) by GasTech 201.

DEPTH (ft)		DRILLING LOG
From	To	Formation Description
0	1	asphalt & gravel
1	5	brn tan gy brn vt mic clay silt w some oil petrol odor & stain
5	15	brn vt mic clay silt w fresher gasoline odor more granular w depth
15	20	lt brn vt mic clay silt w sharp gas cuts out of cuttings

If additional space is needed use back of form

LOCATION SKETCH



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Enviromark, P.A. / ENVIROMARK, P.A. 1/10/96
 SIGNATURE OF CONTRACTOR OR AGENT DATE

Robbins Oil/Frank White's Exxon/1088/0-004260
WELL CONSTRUCTION RECORD

FOR OFFICE USE ONLY	
QUAD NO.	SERIAL NO.
Lat.	Long.
RO	
Mine Basin	
Basin Code	
State Ent.	GW Ent.

DRILLING CONTRACTOR: ENVIROMARK, P.A.

DRILLER REGISTRATION NUMBER: 1542

STATE WELL CONSTRUCTION PERMIT NUMBER: Not required/ MW- 4

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Morganton County: Burke

2204 S. Sterling St (NC 18), Morganton, NC
 (Road, Community, or Subdivision and Lot No.)

2. OWNER Robbins Oil Company, Inc.

ADDRESS PO Box 207
 (Street or Route No.)

Forest City NC 28043
 City or Town State Zip Code

3. DATE DRILLED 1/10/96 USE OF WELL Monitor

4. TOTAL DEPTH 17 FT

5. CUTTINGS COLLECTED YES NO

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below-Top of Casing: 9.62 FT. (1/11/96) ~~10-20~~
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*

* Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): --- METHOD OF TEST ---

10. WATER ZONES (depth): ---

11. CHLORINATION: Type N/A Amount N/A

12. CASING:

From	To	Depth	Diameter	Wall Thickness or Weight/Ft.	Material
0	7	Ft.	in		Sch 40 PVC
		Ft.			
		Ft.			

13. GROUT:

From	To	Depth	Material	Method
0	8	Ft.	neat cement	slurry
8	9	Ft.	bentonite	"

14. SCREEN:

From	To	Depth	Diameter	Slot Size	Material
10	17	Ft.	2	in. .010	in. Sch 40 PVC
		Ft.		in.	
		Ft.		in.	

15. SAND/GRAVEL PACK:

From	To	Depth	Size	Material
9	17	Ft.	fine	silica sand
		Ft.		

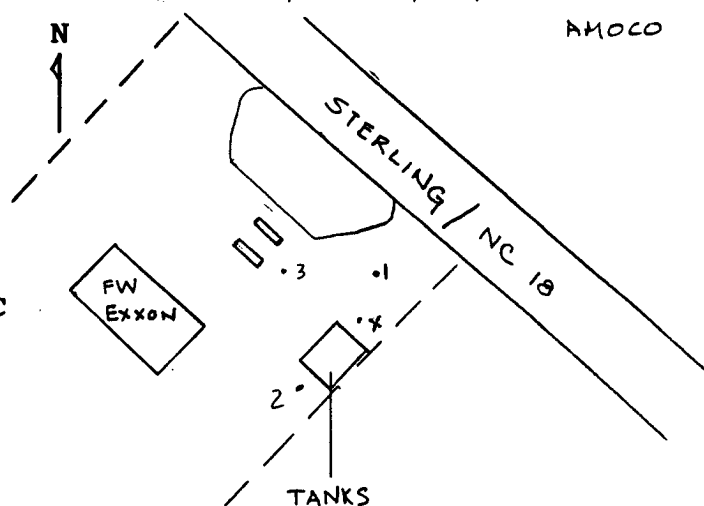
16. REMARKS: Total hydrocarbon vapor (ppm) by GasTech 201.

DEPTH (ft)		DRILLING LOG
From	To	Formation Description
0	1	caprock + gravel
1	510	brn. dk. brn sticky clay silt w/ vt mica + old gas odor in part.
		brn - lta brn vt mic sily silt w/ some odor but less than 1-10'

If additional space is needed use back of form

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] /ENVIROMARK, P.A. 1/10/96

SIGNATURE OF CONTRACTOR OR AGENT

DATE

Submit original to Division of Environmental Management and copy to well owner.

Robbins Oil/Frank White's Exxon/1088/0-004260
WELL CONSTRUCTION RECORD

FOR OFFICE USE ONLY	
QUAD NO.	SERIAL NO.
Lat.	Long.
Minor Basin	RO
Basin Code	
Header Ent.	GW-1 Ent.

DRILLING CONTRACTOR: ENVIROMARK, P.A.

DRILLER REGISTRATION NUMBER: 1542

STATE WELL CONSTRUCTION PERMIT NUMBER: Not required/ MW- 5

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Morganton County: Burke

2204 S. Sterling St (NC 18), Morganton, NC
 (Road, Community, or Subdivision and Lot No.)

2. OWNER Robbins Oil Company, Inc.

ADDRESS PO Box 207
 (Street or Route No.)

Forest City NC 28043
 City or Town State Zip Code

3. DATE DRILLED 1/11/96 USE OF WELL Monitor

4. TOTAL DEPTH 17 FT

5. CUTTINGS COLLECTED YES NO

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing: 10.18 FT. (1/11/96)
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*

* Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): --- METHOD OF TEST ---

10. WATER ZONES (depth): ---

11. CHLORINATION: Type N/A Amount N/A

12. CASING:

From	To	Depth	Diameter	Wall Thickness or Weight/Ft.	Material
0	7	Ft.	in		Sch 40 PVC

13. GROUT:

From	To	Depth	Material	Method
0	8	Ft.	neat cmt	slurry
8	9	Ft.	bentonite	"

14. SCREEN:

From	To	Depth	Diameter	Slot Size	Material
10	17	Ft.	2 in.	.010 in.	Sch 40 PVC

15. SAND/GRAVEL PACK:

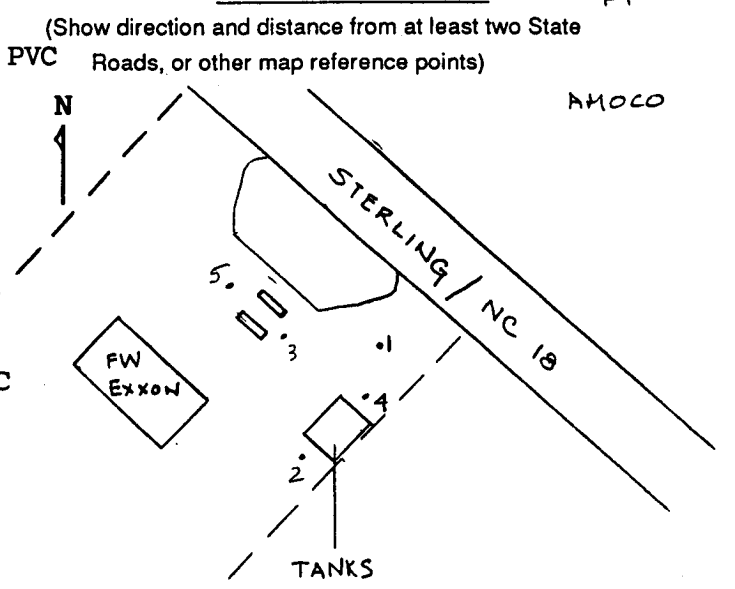
From	To	Depth	Size	Material
9	17	Ft.	fine	silica sand

16. REMARKS: Total hydrocarbon vapor (ppm) by GasTech 201.

DEPTH (ft)		DRILLING LOG
From	To	Formation Description
0	1	asphalt & gravel
1	5	lt-medium gray loam silt w abun colder mica no petrol odor.
5	20	N/A but w fresh(?) gasoline odor
		gw has some gasoline odor

If additional space is needed use back of form

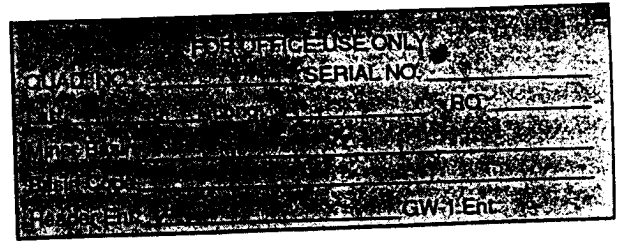
LOCATION SKETCH



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] / ENVIROMARK, P.A. 1/11/96

Robbins Oil/Frank White's Exxon/1088/0-004260
WELL CONSTRUCTION RECORD



DRILLING CONTRACTOR: ENVIROMARK, P.A.

STATE WELL CONSTRUCTION PERMIT NUMBER: Not required/ SB-DOT

DRILLER REGISTRATION NUMBER: 1542

1. WELL LOCATION: (Show sketch of the location below)
 Nearest Town: Morganton County: Burke

2204 S. Sterling St (NC 18), Morganton, NC
 (Road, Community, or Subdivision and Lot No.)

2. OWNER Robbins Oil Company, Inc.
 ADDRESS PO Box 207
 (Street or Route No.)

Forest City NC 28043
 City or Town State Zip Code

3. DATE DRILLED 12/15/95 USE OF WELL Monitor

4. TOTAL DEPTH 95 FT

5. CUTTINGS COLLECTED YES NO

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing: FT. (/ /96)
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*
 * Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

9. YIELD (gpm): METHOD OF TEST

10. WATER ZONES (depth):

11. CHLORINATION: Type N/A Amount N/A

12. CASING:

From	To	Depth	Diameter	Wall Thickness or Weight/Ft.	Material
0					Sch 40 PVC

13. GROUT:

From	To	Depth	Material	Method
0			neat cmt	slurry

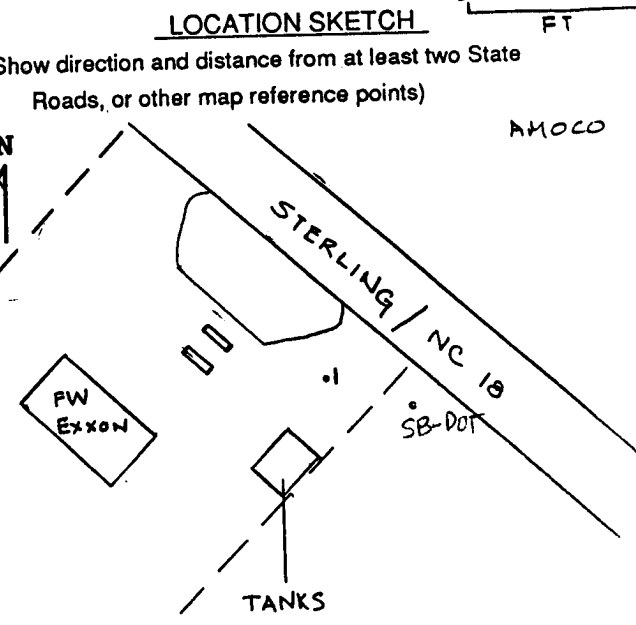
14. SCREEN:

From	To	Depth	Diameter	Slot Size	Material
				.010 in.	Sch 40 PVC

15. SAND/GRAVEL PACK:

From	To	Depth	Size	Material
			fine	silica sand

16. REMARKS: Total hydrocarbon vapor (ppm) by GasTech 201.



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Tommy / ENVIROMARK, P.A. 1/9/97
 SIGNATURE OF CONTRACTOR OR AGENT DATE
 Submit original to Division of Environmental Management and copy to well owner.

APPENDIX D

ANALYTICAL RESULTS

Lab Report



NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

March 8, 1995

Enviromark
Attn: Mr. Mark Durway
117-C North Ridge Drive
Asheville, NC 28804

Dear: Mr. Durway:

Below are the results of analysis of 1 sample received for examination on February 28, 1995:

Sample I.D. AA30082 Customer Code: ENVIMARK
Login Group #: 7145A1 Customer Reference: 1088
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: MW-1
Sample collection date: 02/28/95 Time: 10:00
Lab submittal date: 02/28/95 Time: 17:20

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT

Multicomponent analysis: HALOGENATED VOLATILES BY 601			
BROMODICHLOROMETHANE	ug/L	Not detected	10
BROMOFORM	ug/L	Not detected	10
BROMOMETHANE	ug/L	Not detected	10
CARBON TETRACHLORIDE	ug/L	Not detected	10
CHLOROBENZENE	ug/L	Not detected	20
CHLOROETHANE	ug/L	Not detected	10
CHLOROFORM	ug/L	Not detected	10
CHLOROMETHANE	ug/L	Not detected	10
DIBROMOCHLOROMETHANE	ug/L	Not detected	10
1,2-DICHLOROBENZENE	ug/L	Not detected	20
1,3-DICHLOROBENZENE	ug/L	Not detected	20
1,4-DICHLOROBENZENE	ug/L	Not detected	20
DICHLORODIFLUOROMETHANE	ug/L	Not detected	10
1,1-DICHLOROETHANE	ug/L	Not detected	10
1,2-DICHLOROETHANE	ug/L	Not detected	10
1,1-DICHLOROETHENE	ug/L	Not detected	10
TRANS-1,2-DICHLOROETHENE	ug/L	Not detected	10
1,2-DICHLOROPROPANE	ug/L	Not detected	10
CIS-1,3-DICHLOROPROPENE	ug/L	Not detected	10
TRANS-1,3-DICHLOROPROPENE	ug/L	Not detected	10
EDB	ug/L	Not detected	10
METHYLENE CHLORIDE	ug/L	Not detected	50
1,1,2,2-TETRACHLOROETHANE	ug/L	Not detected	10
TETRACHLOROETHENE	ug/L	Not detected	10
1,1,1-TRICHLOROETHANE	ug/L	Not detected	10
1,1,2-TRICHLOROETHANE	ug/L	Not detected	10
TRICHLOROETHENE	ug/L	Not detected	10

Lab Report

Page: 2

March 8, 1995

Enviromark Sample I.D. AA30082 (continued)



TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT

Multicomponent analysis: HALOGENATED VOLATILES BY 601 (continued)			
TRICHLOROFLUOROMETHANE	ug/L	Not detected	10
VINYL CHLORIDE	ug/L	Not detected	10

Multicomponent analysis: AROMATIC VOLATILES BY 602			
BENZENE	ug/L	20000	4000
ETHYLBENZENE	ug/L	3600	400
IPE	ug/L	8800	400
MTBE	ug/L	86000	4000
TOLUENE	ug/L	47000	4000
XYLENES	ug/L	27500	1200

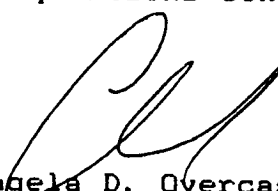
Sample comments:

PO# 1088

Project Name: White's Exxon

Please advise should you have questions concerning these data.

Respectfully submitted,



Angela D. Overcash
Laboratory Director

CHAIN OF CUSTODY RECORD

449 Springbrook Road ▲ Charlotte, NC 28217
 P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Fax: 704/525-0409

PRESS DOWN FIRMLY - 3 COPIES

Lab Location Requested for Certified Analysis NC SC Other
 Water Chlorinated Yes No NA
 Sample-Iced Upon Collection Yes No
 Requested Due Date _____

ENVIROMARK
 117-C NORTH RIDGE DRIVE
 ASHEVILLE, NC 28804
 (704) 254-4300

Report To _____
 Bill To _____
 P.O.#/Billing Reference 1088
 Project Name WHITES EXXON

Full Service Analytical & Environmental Solutions

Client ENVIROMARK
 Address 117-C NORTH RIDGE DRIVE
ASHEVILLE, NC 28804
(704) 254-4300

Phone 254-1360 fax _____

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER		PRESERVATIVES	ANALYSES REQUESTED	REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO. SIZE					
MW-1	2-24-95	1330	WATER	G	2 40 ml	HCl	601 602 603 604 605 606 607 608	MONITOR WELL		

Sampler's Signature Tom Downey Sampled By (Print Name) DM Downey Affiliation ENVIROMARK
 Relinquished By (Signature) _____ Received By (Signature) Shelley T. Alan
 Relinquished By (Signature) _____ Received By (Signature) _____
 Relinquished By (Signature) _____ Received For Prism Laboratories By _____
 Method of Shipment _____

Additional Comments: _____
 Date 2-21-95 Military/Hours 1415
 Date 2-24-95 Date 2-24-95 Military/Hours 1770
 Date 2 Date 2

NPDES: NC SC OTHER UST: NC SC OTHER GROUNDWATER: NC SC OTHER
 DRINKING WATER: NC SC OTHER SOLID WASTE: NC SC OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43596 Customer Code: ENVIMARK
Login Group #: 2976B4 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: MW-2 1088
Sample collection date: 01/11/96 Time: 14:15
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/16/96
Time started: Analyst: MJB

Parameter: AROMATIC VOLATILES BY 602
Method reference: 602 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/16/96
Time started: Analyst: MJB

Parameter: METALS DIGESTION METHOD 3030C
Method reference: SM 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 01/13/96 Date finished: 01/13/96
Time started: 11:30 Analyst: EHT

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: EPA 200.7 Unit: mg/L
Result: Less than MDL or sensitivity: 0.015
Date started: 01/18/96 Date finished: 01/18/96
Time started: 13:00 Analyst: CJD

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	4	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	1

Lab Report

Enviromark Sample I.D. AA43596 (continued)
Page: 2
January 19, 1996



Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
CARBON TETRACHLORIDE	Not detected	1
CHLOROBENZENE	Not detected	2
CHLOROETHANE	Not detected	1
CHLOROFORM	14	1
CHLROMETHANE	Not detected	1
DIBROMOCHLOROMETHANE	Not detected	1
1, 2-DICHLOROBENZENE	Not detected	2
1, 3-DICHLOROBENZENE	Not detected	2
1, 4-DICHLOROBENZENE	Not detected	2
DICHLORODIFLUOROMETHANE	Not detected	1
1, 1-DICHLOROETHANE	Not detected	1
1, 2-DICHLOROETHANE	Not detected	1
1, 1-DICHLOROETHENE	Not detected	1
TRANS-1, 2-DICHLOROETHENE	Not detected	1
1, 2-DICHLOROPROPANE	Not detected	1
CIS-1, 3-DICHLOROPROPENE	Not detected	1
TRANS-1, 3-DICHLOROPROPENE	Not detected	1
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5
1, 1, 2, 2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1, 1, 1-TRICHLOROETHANE	Not detected	1
1, 1, 2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	1
VINYL CHLORIDE	Not detected	1

Data for AROMATIC VOLATILES BY 602 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	1
ETHYLBENZENE	Not detected	1
IPE	Not detected	5
MTBE	Not detected	5
TOLUENE	Not detected	1
XYLENES	Not detected	3

Sample comments:

PO# 1088
Project Name: 1088FWEX

Lab Report

Enviromark Sample I.D. AA43596 (continued)
Page: 3
January 19, 1996



If there are any questions regarding this data, please call.



Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43597 Customer Code: ENVIMARK
Login Group #: 2976B4 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: MW-3 1088
Sample collection date: 01/11/96 Time: 14:30
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/16/96
Time started: Analyst: MJB

Parameter: AROMATIC VOLATILES BY 602
Method reference: 602 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/17/96
Time started: Analyst: MJB

Parameter: METALS DIGESTION METHOD 3030C
Method reference: SM 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 01/13/96 Date finished: 01/13/96
Time started: 11:30 Analyst: EHT

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: EPA 200.7 Unit: mg/L
Result: Less than MDL or sensitivity: 0.015
Date started: 01/18/96 Date finished: 01/18/96
Time started: 13:00 Analyst: CJD

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	100
BROMOFORM	Not detected	100
BROMOMETHANE	Not detected	100

Lab Report

Enviromark Sample I.D. AA43597 (continued)
Page: 2
January 19, 1996



Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
CARBON TETRACHLORIDE	Not detected	100
CHLOROBENZENE	Not detected	200
CHLOROETHANE	Not detected	100
CHLOROFORM	Not detected	100
CHLOROMETHANE	Not detected	100
DIBROMOCHLOROMETHANE	Not detected	100
1, 2-DICHLOROBENZENE	Not detected	200
1, 3-DICHLOROBENZENE	Not detected	200
1, 4-DICHLOROBENZENE	Not detected	200
DICHLORODIFLUOROMETHANE	Not detected	100
1, 1-DICHLOROETHANE	Not detected	100
1, 2-DICHLOROETHANE	Not detected	100
1, 1-DICHLOROETHENE	Not detected	100
TRANS-1, 2-DICHLOROETHENE	Not detected	100
1, 2-DICHLOROPROPANE	Not detected	100
CIS-1, 3-DICHLOROPROPENE	Not detected	100
TRANS-1, 3-DICHLOROPROPENE	Not detected	100
EDB	Not detected	100
METHYLENE CHLORIDE	Not detected	500
1, 1, 2, 2-TETRACHLOROETHANE	Not detected	100
TETRACHLOROETHENE	Not detected	100
1, 1, 1-TRICHLOROETHANE	Not detected	100
1, 1, 2-TRICHLOROETHANE	Not detected	100
TRICHLOROETHENE	Not detected	100
TRICHLOROFLUOROMETHANE	Not detected	100
VINYL CHLORIDE	Not detected	100

Data for AROMATIC VOLATILES BY 602 ug/L:

Component Name	Result	Component MDL
BENZENE	1900	100
ETHYLBENZENE	2400	100
IPE	1300	500
MTBE	3500	500
TOLUENE	24000	100
XYLENES	16000	300

Sample comments:

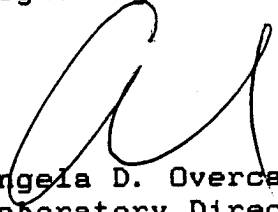
PO# 1088
Project Name: 1088FWEX

Lab Report

Enviromark Sample I.D. AA43597 (continued)
Page: 3
January 19, 1996



If there are any questions regarding this data, please call.



Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43598 Customer Code: ENVIMARK
Login Group #: 2976B4 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: MW-4 1088
Sample collection date: 01/11/96 Time: 14:45
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/16/96
Time started: Analyst: MJB

Parameter: AROMATIC VOLATILES BY 602
Method reference: 602 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/16/96
Time started: Analyst: MJB

Parameter: METALS DIGESTION METHOD 3030C
Method reference: SM 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 01/13/96 Date finished: 01/13/96
Time started: 11:30 Analyst: EHT

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: EPA 200.7 Unit: mg/L
Result: Less than MDL or sensitivity: 0.015
Date started: 01/18/96 Date finished: 01/18/96
Time started: 13:00 Analyst: CJD

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	2	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	1

Lab Report

Enviromark Sample I.D. AA43598 (continued)
Page: 2
January 19, 1996



Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
CARBON TETRACHLORIDE	Not detected	1
CHLOROENZENE	Not detected	2
CHLOROETHANE	Not detected	1
CHLOROFORM	4	1
CHLOROMETHANE	Not detected	1
DIBROMOCHLOROMETHANE	Not detected	1
1, 2-DICHLOROENZENE	Not detected	2
1, 3-DICHLOROENZENE	Not detected	2
1, 4-DICHLOROENZENE	Not detected	2
DICHLORODIFLUOROMETHANE	Not detected	1
1, 1-DICHLOROETHANE	Not detected	1
1, 2-DICHLOROETHANE	Not detected	1
1, 1-DICHLOROETHENE	Not detected	1
TRANS-1, 2-DICHLOROETHENE	Not detected	1
1, 2-DICHLOROPROPANE	Not detected	1
CIS-1, 3-DICHLOROPROPENE	Not detected	1
TRANS-1, 3-DICHLOROPROPENE	Not detected	1
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5
1, 1, 2, 2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1, 1, 1-TRICHLOROETHANE	Not detected	1
1, 1, 2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	1
VINYL CHLORIDE	Not detected	1

Data for AROMATIC VOLATILES BY 602 ug/L:

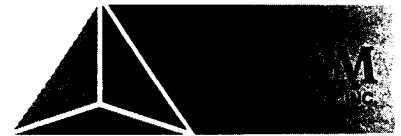
Component Name	Result	Component MDL
BENZENE	1500	1
ETHYLBENZENE	25	1
IPE	270	5
MTBE	1100	5
TOLUENE	270	1
XYLENES	620	3

Sample comments:

PO# 1088
Project Name: 1088FWEX

Lab Report

Enviromark Sample I.D. AA43598 (continued)
Page: 3
January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43599 Customer Code: ENVIMARK
Login Group #: 2976B4 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: MW-5 1088
Sample collection date: 01/11/96 Time: 16:15
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/16/96
Time started: Analyst: MJB

Parameter: AROMATIC VOLATILES BY 602
Method reference: 602 Unit: ug/L
Result: see below
Date started: 01/16/96 Date finished: 01/17/96
Time started: Analyst: MJB

Parameter: METALS DIGESTION METHOD 3030C
Method reference: SM 3030C Unit:
Result: Completed MDL or sensitivity:
Date started: 01/13/96 Date finished: 01/13/96
Time started: 11:30 Analyst: EHT

Parameter: LEAD, TOTAL IN GROUNDWATER
Method reference: EPA 200.7 Unit: mg/L
Result: Less than MDL or sensitivity: 0.015
Date started: 01/18/96 Date finished: 01/18/96
Time started: 13:00 Analyst: CJD

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	40
BROMOFORM	Not detected	40
BROMOMETHANE	Not detected	40

Lab Report

Enviromark Sample I.D. AA43599 (continued)
Page: 2
January 19, 1996



Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
CARBON TETRACHLORIDE	Not detected	40
CHLORO BENZENE	Not detected	80
CHLOROETHANE	Not detected	40
CHLOROFORM	Not detected	40
CHLOROMETHANE	Not detected	40
DIBROMOCHLOROMETHANE	Not detected	40
1, 2-DICHLORO BENZENE	Not detected	80
1, 3-DICHLORO BENZENE	Not detected	80
1, 4-DICHLORO BENZENE	Not detected	80
DICHLORODIFLUOROMETHANE	Not detected	40
1, 1-DICHLOROETHANE	Not detected	40
1, 2-DICHLOROETHANE	Not detected	40
1, 1-DICHLOROETHENE	Not detected	40
TRANS-1, 2-DICHLOROETHENE	Not detected	40
1, 2-DICHLOROPROPANE	Not detected	40
CIS-1, 3-DICHLOROPROPENE	Not detected	40
TRANS-1, 3-DICHLOROPROPENE	Not detected	40
EDB	Not detected	40
METHYLENE CHLORIDE	Not detected	200
1, 1, 2, 2-TETRACHLOROETHANE	Not detected	40
TETRACHLOROETHENE	Not detected	40
1, 1, 1-TRICHLOROETHANE	Not detected	40
1, 1, 2-TRICHLOROETHANE	Not detected	40
TRICHLOROETHENE	Not detected	40
TRICHLOROFLUOROMETHANE	Not detected	40
VINYL CHLORIDE	Not detected	40

Data for AROMATIC VOLATILES BY 602 ug/L:

Component Name	Result	Component MDL
BENZENE	11000	40
ETHYLBENZENE	3300	40
IPE	4500	200
MTBE	5500	200
TOLUENE	37000	40
XYLENES	18000	120

Sample comments:

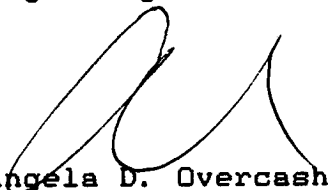
PO# 1088
Project Name: 1088FWEX

Lab Report

Enviromark Sample I.D. AA43599 (continued)
Page: 3
January 19, 1996



If there are any questions regarding this data, please call.



Angela D. Overcash
Laboratory Director

CHAIN OF CUSTODY REPORT



449 Springbrook Road ▲ Charlotte, NC 28217
 P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

ENVIROMARK ENVIRONMENTAL SERVICES

Client: 108 Coleman Avenue
 Address: Asheville, NC 28801
 Phone: 1-800-254-4300

PRESS DOWN FIRMLY - 3 COPIES

Report To: HARRI DUBWAY
 Bill To: ENVIROMARK
 P.O.#/Billing Reference: 1088
 Project Name: 1088 F W E X

Lab Location Requested for Certified Analysis NC SC Other
 Water Chlorinated Yes No
 Sample Iced Upon Collection Yes No
 Requested Due Date _____

704-254-1360 fax

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER		PRESERVATIVES	ANALYSES REQUESTED	REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO. SIZE					
MW-2	1-11-96	1415	water	VOA	2 40 ML	HCl				43596
MW-3		1430								43597
MW-4		1445								43598
MW-5		1615								43599

Sampler's Signature: [Signature] Sampled By (Print Name): D. MARK DUBWAY Affiliation: ENVIROMARK

Relinquished By: (Signature)	Date	Military/Hours
<u>[Signature]</u>	1-13-96	11:20
<u>[Signature]</u>		
<u>[Signature]</u>	1-13-96	11:20
Method of Shipment:		

Additional Comments: 297684

NPDES: NC UST: NC GROUNDWATER: NC DRINKING WATER: NC SOLID WASTE: NC OTHER: NC
 SC SC SC SC SC SC SC SC
 OTHER OTHER OTHER OTHER OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43589 Customer Code: ENVIMARK
Login Group #: 2975B7 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: S2 - 10
Sample collection date: 01/10/96 Time: 14:15
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:
Result: 73 % DRY WT. MDL or sensitivity:
Date started: 01/16/96 Date finished: 01/16/96
Time started: 08:30 Analyst: HWC

Parameter: TPH - GASOLINE RANGE
Method reference: 5030 GC FID Unit: mg/kg
Result: Less than MDL or sensitivity: 1.00
Date started: 01/17/96 Date finished: 01/17/96
Time started: 21:19 Analyst: MJB

Parameter: PREP. METHOD 5030
Method reference: 5030 Unit:
Result: Completed MDL or sensitivity:
Date started: 01/17/96 Date finished: 01/17/96
Time started: 21:19 Analyst: MJB

Sample comments:

PO# 1088
Project Name: 1088 FWEX

Lab Report

Enviromark

Sample I.D. AA43589 (continued)

Page: 2

January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

A handwritten signature in black ink, appearing to read 'A. Overcash', is written over the typed name.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43590 Customer Code: ENVIMARK
Login Group #: 2975B7 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: S3 - 5/10
Sample collection date: 01/10/96 Time: 15:40
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:
Result: 76 % DRY WT. MDL or sensitivity:
Date started: 01/16/96 Date finished: 01/16/96
Time started: 08:30 Analyst: HWC

Parameter: TPH - GASOLINE RANGE

Method reference: 5030 GC FID
Result: 310 mg/kg MDL or sensitivity: 5
Date started: 01/17/96 Date finished: 01/17/96
Time started: 22:07 Analyst: MJB

Parameter: PREP. METHOD 5030

Method reference: 5030 Unit:
Result: Completed MDL or sensitivity:
Date started: 01/17/96 Date finished: 01/17/96
Time started: 22:07 Analyst: MJB

Sample comments:

PO# 1088
Project Name: 1088 FWEX

Lab Report

Enviromark

Sample I.D. AA43590 (continued)

Page: 2

January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43591 Customer Code: ENVIMARK
Login Group #: 2975B7 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: S3 - 10/15
Sample collection date: 01/10/96 Time: 15:50
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:
Result: 73 % DRY WT. MDL or sensitivity:
Date started: 01/16/96 Date finished: 01/16/96
Time started: 08:30 Analyst: HWC

Parameter: TPH - GASOLINE RANGE

Method reference: 5030 GC FID
Result: 1200 mg/kg MDL or sensitivity: 200
Date started: 01/17/96 Date finished: 01/17/96
Time started: 22:54 Analyst: MJB

Parameter: PREP. METHOD 5030

Method reference: 5030 Unit:
Result: Completed MDL or sensitivity:
Date started: 01/17/96 Date finished: 01/17/96
Time started: 22:54 Analyst: MJB

Sample comments:

PO# 1088
Project Name: 1088 FWEX

Lab Report

Enviromark

Sample I.D. AA43591 (continued)

Page: 2

January 19, 1996



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If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43592 Customer Code: ENVIMARK
Login Group #: 2975B7 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: S4 - 5/10
Sample collection date: 01/10/96 Time: 17:30
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:

Result: 79 % DRY WT.

Date started: 01/16/96

Time started: 08:30

MDL or sensitivity:

Date finished: 01/16/96

Analyst: HWC

Parameter: TPH - GASOLINE RANGE

Method reference: 5030 GC FID

Result: Less than

Date started: 01/17/96

Time started: 23:41

Unit: mg/kg

MDL or sensitivity: 1.00

Date finished: 01/17/96

Analyst: MJB

Parameter: PREP. METHOD 5030

Method reference: 5030

Result: Completed

Date started: 01/17/96

Time started: 23:41

Unit:

MDL or sensitivity:

Date finished: 01/17/96

Analyst: MJB

Sample comments:

PO# 1088

Project Name: 1088 FWEX

Lab Report

Enviromark Sample I.D. AA43592 (continued)

Page: 2

January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

A handwritten signature in black ink, appearing to read 'Angela D. Overcash'. The signature is fluid and cursive.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43593 Customer Code: ENVIMARK
Login Group #: 2975B7 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: S4 - 10/15
Sample collection date: 01/10/96 Time: 17:50
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:
Result: 71 % DRY WT. MDL or sensitivity:
Date started: 01/16/96 Date finished: 01/16/96
Time started: 08:30 Analyst: HWC

Parameter: TPH - GASOLINE RANGE

Method reference: 5030 GC FID Unit: mg/kg
Result: Less than MDL or sensitivity: 1.00
Date started: 01/18/96 Date finished: 01/18/96
Time started: 00:28 Analyst: MJB

Parameter: PREP. METHOD 5030

Method reference: 5030 Unit:
Result: Completed MDL or sensitivity:
Date started: 01/18/96 Date finished: 01/18/96
Time started: 00:28 Analyst: MJB

Sample comments:

PO# 1088
Project Name: 1088 FWEX

Lab Report

Enviromark Sample I.D. AA43593 (continued)

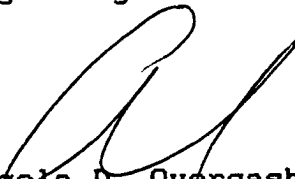
Page: 2

January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.



Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



Full Service Analytical & Environmental Solutions

January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43594	Customer Code: ENVIMARK
Login Group #: 2975B7	Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360	
Customer Sample I.D#: S5 - 5/10	
Sample collection date: 01/11/96	Time: 14:40
Lab submittal date: 01/13/96	Time: 11:20
Received by: CP	Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:

Result: 75 % DRY WT.

Date started: 01/16/96

Time started: 08:30

MDL or sensitivity:

Date finished: 01/16/96

Analyst: HWC

Parameter: TPH - GASOLINE RANGE

Method reference: 5030 GC FID

Result: 6200 mg/kg

Date started: 01/18/96

Time started: 01:16

MDL or sensitivity: 200

Date finished: 01/18/96

Analyst: MJB

Parameter: PREP. METHOD 5030

Method reference: 5030

Result: Completed

Date started: 01/18/96

Time started: 01:16

Unit:

MDL or sensitivity:

Date finished: 01/18/96

Analyst: MJB

Sample comments:

PO# 1088

Project Name: 1088 FWEX

Lab Report

Enviromark

Sample I.D. AA43594 (continued)

Page: 2

January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519



January 19, 1996

To: Enviromark
Attn: Mr. Mark Durway
108 Coleman Ave.
Asheville, NC 28801

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA43595 Customer Code: ENVIMARK
Login Group #: 2975B7 Customer Reference: 1088FWEX
Phone Number: (704)254-4300/fax(704)254-1360
Customer Sample I.D#: S5 - 10/15
Sample collection date: 01/11/96 Time: 15:00
Lab submittal date: 01/13/96 Time: 11:20
Received by: CP Validated by: ADO

Parameter: CALCULATIONS BASED ON DRY WEIGHT

Method reference:

Result: 72 % DRY WT.

MDL or sensitivity:

Date started: 01/16/96

Date finished: 01/16/96

Time started: 08:30

Analyst: HWC

Parameter: TPH - GASOLINE RANGE

Method reference: 5030 GC FID

Result: 2400 mg/kg

MDL or sensitivity: 200

Date started: 01/18/96

Date finished: 01/18/96

Time started: 02:03

Analyst: MJB

Parameter: PREP. METHOD 5030

Method reference: 5030

Unit:

Result: Completed

MDL or sensitivity:

Date started: 01/18/96

Date finished: 01/18/96

Time started: 02:03

Analyst: MJB

Sample comments:

PO# 1088

Project Name: 1088 FWEX

Lab Report

Enviromark

Sample I.D. AA43595 (continued)

Page: 2

January 19, 1996



Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

RISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

ENVIRONMENTAL SERVICES

Client: 108 Geleman Avenue

Address: Asheville, NC 28801

Phone: 1-800-254-4300

FAX: 704-254-1360

CHAIN OF CUSTODY

449 Springbrook Road ▲ Charlotte, NC 28217
 P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Fax: 704/525-0409

PRESS DOWN FIRMLY - 3 COPIES

Lab Location Requested for Certified Analysis NC SC Other

Water Chlorinated Yes No NA

Sample Iced Upon Collection Yes No

Requested Due Date _____

Report To: MARK DURWAY

Bill To: ENVIRONMENTAL

P.O. #/Billing Reference: 1088

Project Name: 1088 FwEX

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER		PRESERVATIVES	ANALYSES REQUESTED	REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO. SIZE					
S2-10	1-10-96	1415	soil	CG	1 4oz	None		see below		43589
S3-5/10	1-10-96	1540						"		43590
S3-10/15	1-10-96	1550						"		43591
S4-5/10	1-10-96	1730						"		43592
S4-10/15	1-10-96	1750						"		43593
S5-5/10	1-11-96	1440						"		43594
S5-10/15	1-11-96	1500						"		43595

Sampler's Signature: [Signature] Sampled By (Print Name): D. MARK DURWAY Affiliation: ENVIRONMENTAL

Received By: (Signature)	Date	Military/Hours
<u>[Signature]</u>	1-13-96	11:20
<u>[Signature]</u>		
<u>[Signature]</u>	1-13-96	11:20
<u>[Signature]</u>		

Additional Comments: Boxing S2 converted to MW2

" S3 " MW3
 " S4 " MW4
 " S5 " MW5

NPDES: NC UST: NC SC OTHER
 GROUNDWATER: NC SC OTHER
 DRINKING WATER: NC SC OTHER
 SOLID WASTE: NC SC OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)