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ENVIRONMENTAL CLEANUP

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**CLOSURE REPORT FOR
UNDERGROUND STORAGE TANKS
LOCATED AT
COUNTRY CROSSROADS
TODD TOWNSHIP, HUNTINGDON CO., PA
FACILITY I.D. #31-07856**

PREPARED BY:

**EARTHTECH, INC.
334 BLOOMFIELD ST., SUITE 101
JOHNSTOWN, PA 15904-3268
(814) 266-6402**

ATTACHMENT 4

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

Susan _____

8/13/97
Jan

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

31-07856

Facility I.D.

Todd Township
Municipality

Huntingdon
County

July 31, 1997

Date Prepared

Todd A. Ribblett

Name of Person Submitting Report
(Please print)

Earthtech, Inc.

Company Name
(if Applicable)

Project Manager

Title

Closure Method (Check all that apply):

- Removal
- Closure-in-Place
- Change-in-Service

Site Assessment Results (Check all that apply):

- No Obvious Contamination - Sample Results Meet Standards/Levels
- No Obvious Contamination - Sample Results Do Not Meet Standards/Levels
- Obvious, Localized Contamination - Sample Results Meet Standards/Levels
- Obvious, Localized Contamination - Sample Results Do Not Meet Standards/Levels
- Obvious, Extensive Contamination

DATE OF TANK CLOSURE (Month/Day/Year)					
Tank Registration Number					
Estimated Total Capacity (Gallons)					
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	a. Petroleum				
	Unleaded Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Leaded Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Aviation Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Jet Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Diesel Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	New Motor Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Used Motor Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: If Hazardous Substance Block is Checked Attach Material Safety Data Sheets (MSDS)	b. Hazardous Substance				
	Name of Principal CERCLA Substance	_____	_____	_____	_____
	AND Chemical Abstract Service (CAS) No.	_____	_____	_____	_____
	c. Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closure Method (Check Only One)	a. Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Change-in-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Partial System Closure (Yes or No)					

Yes N/A

11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) including use of tanks: The target property is the location of a retail gas station/convenience store. Mr. Mellott purchased the property approximately two years ago. The interior of all three tanks had been lined in the late 1980's. The original plan did not include removing these tanks. During the upgrade, which included the addition of overfill prevention, spill prevention, product piping, and an automatic tank gauge, contaminated soil and water were uncovered. Mark Bollman of PA DEP was notified and Earthtech, Inc. was retained to provide environmental consultation. Three test pits were dug around the tank field. It was determined from this investigation that the contamination was limited to the immediate area of the tank field. Mr. Mellott decided to install new tanks on the other side of the building in a virgin excavation. After installation, the old tanks were removed on 29 May 1997. The source of contamination is believed to have originated from an elbow in the product piping of the 3,000 gallon tank. Three four inch observation wells were placed into the backfilled area.

- 12. A site location and sampling map of the site, drawn to scale, is attached. See Page 11 of 11.
- 13. Original, color photographs of the closure process are attached (i.e., inside of excavation/piping runs, pit water, tanks showing condition).
- 14. An amended "Registration of Storage Tanks" form was submitted to the DEP, Bureau of Water Quality Management, Division of Storage Tanks, P. O. Box 8762, Harrisburg, PA 17105-8762.
Date: An amended registration was prepared by Perry Petroleum for the owner.
- 15. If a reportable release was confirmed, the appropriate regional office of DEP was notified by the owner or operator.
Date: 01-24-97 Office: Altoona (Mark Bollman)

Yes N/A

16. If tanks were cleaned on-site:

- a. Briefly describe the disposition of usable product: The usable product was removed by the petroleum product distributor for Country Crossroads. The ends of the removed tanks were cut with a nibbler and the inner shell squeegeed clean by Perry Petroleum Equipment, Ltd.
- b. Briefly describe the disposition of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal): No unusable product was disposed.

- c. If tank contents were determined/deemed to be hazardous waste, provide:
 - (1) Generator ID Number: _____
 - (2) Licensed Hazardous Waste Transporter Name and ID Number: _____

17. If tanks were removed from the site for cleaning:

- a. Provide the name and permit number of the processing, treatment, storage or disposal facility performing the tank cleaning: _____

- b. If tank contents were determined/deemed to be hazardous waste, provide:
 - (1) Generator ID Number: _____
 - (2) Licensed Hazardous Waste Transporter Name and ID Number: _____

18. Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal):

The ends of the tanks were cut out with a nibbler and the inner shell squeegeed clean. The tanks were scrapped by Perry Petroleum.

19. If contaminated soil is excavated:

- a. Briefly describe the disposition and amount 80-100 (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):
Approximately eighty to one hundred tons of contaminated soil were removed from the excavation during the removal on 29 May 1997. This material was labeled SP-1. Another 15 to 20 tons of soil were removed on 24 January 1997. This soil is identified as SP-2. Both stockpiles were sampled and analyzed. Analytical results are provided on page 10. The soil was originally stockpiled in front of the store, but was later moved across the street to a lot currently owned by Mr. Mellott. The soil was placed onto and covered with plastic. The final disposition of this soil has not been determined yet.

- b. If contaminated soil is determined/deemed to be hazardous waste, provide:
 - (1) Generator ID Number: _____
 - (2) Licensed Hazardous Waste Transporter Name and ID Number: _____

Yes N/A

20. Briefly describe the disposition of and amount 15-20 (tons) of uncontaminated soil (attach analyses): removed in 24 January 1997 was found not to be contaminated after screening and sampling.
This soil has been placed on Mr. Mellott's lot across the street.

I, Norman Mellott, hereby certify, under penalty of law as provided in 18 Pa. C.S. 54904
(Print Name)
(relating to unsworn falsification to authorities) that I am the owner of the above referenced storage tank(s) and that the information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.

Norman Mellott
Signature of Tank Owner

7/24/87
Date

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 31-07856

- Yes N/A
1. Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil:
All soil removed was stockpiled in front of the store. Samples were collected from the two stockpiles. The analytical results are provided on page 10. The stockpiled soil was later moved across the street to a lot owned by Mr. Mellott. Contaminated soil was placed onto and covered with plastic.

 2. Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping:
All piping was drained. The piping, estimated to be around 60 feet, was partially removed. The piping within the tank excavation was removed (about 12 feet per tank), while the 30 feet (10 feet per tank) of piping running from the dispenser to the excavation was left in place. The piping was reported to be in very bad condition. A 90° elbow on the 3,000 gallon tank appeared to be the source of contamination.

 3. Briefly describe the condition of the tanks and any problems encountered during tank removal:
The tanks were in fair condition with some pitting and no obvious holes. The 2,000 gallon tank had a screw plug in it, most likely placed during the installation of the lining.

 4. Briefly describe the method used to purge the tanks of and monitor for explosive vapors: An explosion meter was used to monitor the tanks for any explosive vapors.

 5. If tanks were cleaned on-site:
 - a. Briefly describe the tank cleaning process: Ends of tanks were cut with a nibbler and inner shell was squeegeed clean.
 - b. If subcontracted, name and address of company that performed the tank cleaning: Perry Petroleum Equipment, Ltd., Route #17, P.O. Box 208, Ickesburg, PA 17037

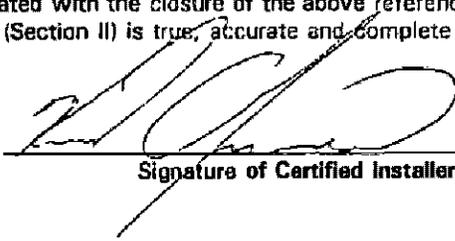
 6. If tanks were closed in-place, briefly describe the tank fill material:

 7. If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

SECTION II. (continued)

I, Kenneth A. Zimmerman, hereby certify, under penalty of law as provided in 18 Pa. C.S.54904
(Print Name)

(relating to unsworn falsification to authorities) that I am the certified installer who performed the tank handling activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section II) is true, accurate and complete to the best of my knowledge and belief.



Signature of Certified Installer

7-23-97

Date

1780

Installer Certification Number

0014

Company Certification Number

Perry Petroleum Equipment, Ltd.

Company Name

Route #17, P.O. Box 208

Street

Ickesburg, PA 17037

City/Town, State, Zip

(717) 438-3776

Phone

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

UNDERGROUND STORAGE TANK
CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 001, 002, 003 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 31-07856

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A" if NOT encountered).

Bedrock N/A feet below land surface Water 5 feet feet below land surface

- B. Provide length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping 30 of 60 (10 foot per tank) feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1) Was obvious contamination observed while excavating?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): The contamination seemed to have been a result of a leak from a product piping elbow on the 3,000 gallon tank. -----> Complete item C.2. below.

- 2) Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

NO -----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring, or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely sources (i.e., tank, piping, dispenser, spills, overfills):

----->

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

- E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

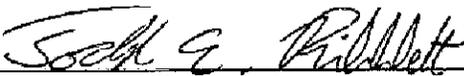
At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank was located.

Where the results of the site assessment indicate that obvious, localized contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Todd A. Ribblett, hereby certify, under penalty of law as provided in 18 Pa. C.S. 54904
(Print Name)

(relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

7-31-97

Date

Project Manager

Title of Person Performing Site Assessment

Earthtech, Inc.

Name of Company Performing Site Assessment

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT FORM

Sample/Analysis Information
(Attachment for Section III.)
Facility ID Number 31-07856

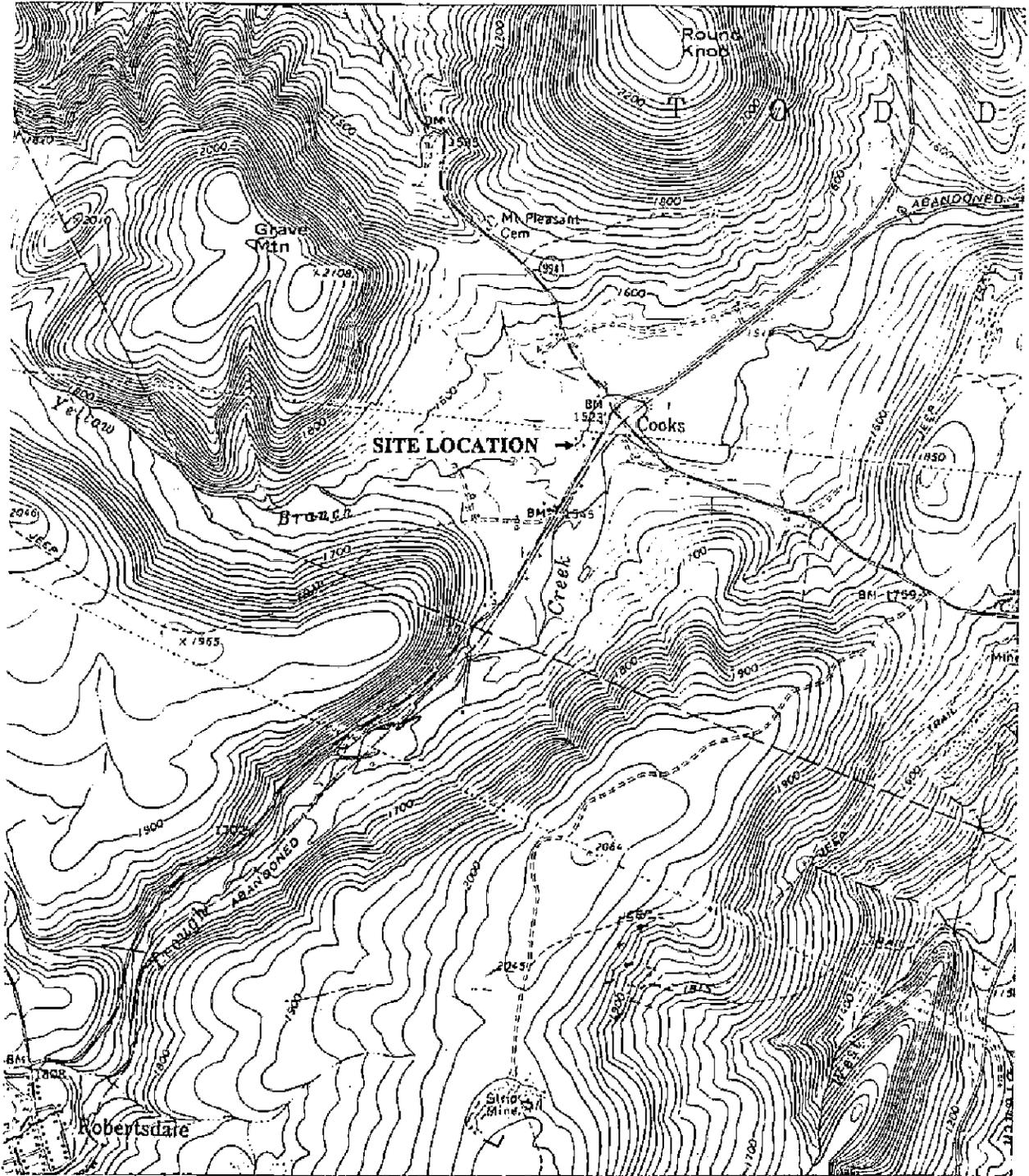
Sample I.D. (See diagram)	Parameter	Analytical Method	Media	Results (units)	Detect Limit (units)	Date Sample Taken	Date Sample Analyzed
A	Leaded & Unleaded Gas	EPA 8260A & 8270B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	03/08/97
B	Leaded & Unleaded Gas	EPA 8260A & 8270B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	06/04/97
C	Leaded & Unleaded Gas	EPA 8260A & 8270B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	06/04/97
D	Leaded & Unleaded Gas	EPA 8260A & 8270B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	06/04/97
E	Leaded & Unleaded Gas	EPA 8260A & 8270B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	06/04/97
SP-1	Form FC-1	EPA 8020, 7421, and SW 846 9020B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	06/04/97
SP-2	Leaded and Unleaded Gas	EPA 8260A & 8270B	Soil	See attached analytical results	2.0 µg/Kg	05/29/97	06/04/97
Dispenser #1	Unleaded Gas	EPA 8021A, 8270B	Soil	See attached analytical results	See Results	05/20/97	05/23/97
Dispenser #2	Unleaded Gas	EPA 8021A, 8270B	Soil	See attached analytical results	See Results	05/20/97	05/23/97
OW-1	Unleaded Gas	EPA 8260	Water	See attached analytical results	See Results	07/24/97	07/28/97
OW-2	Unleaded Gas	EPA 8260	Water	See attached analytical results	See Results	07/24/97	07/28/97
OW-3	Unleaded Gas	EPA 8260	Water	See attached analytical results	See Results	07/24/97	07/28/97

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large scale map of the site where tanks were closed. Scales between 1" = 10 and 1" = 100 feet frequently work out well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tanks removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: See Attached Maps

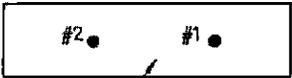
County:

Township/Borough:

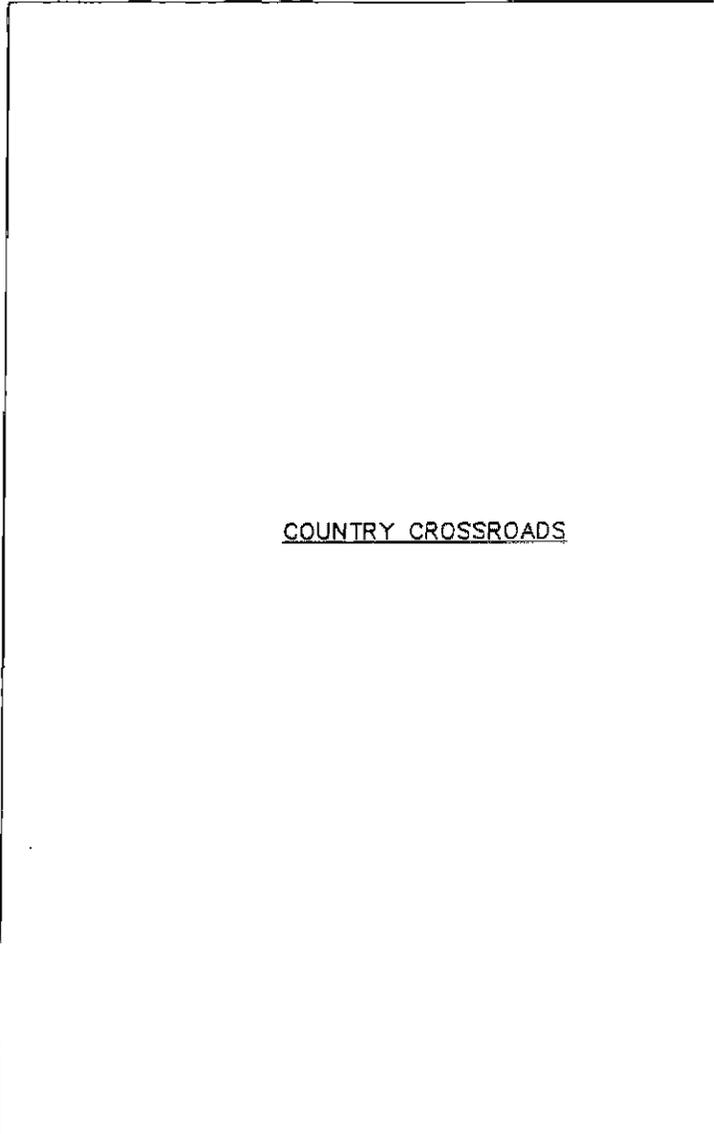
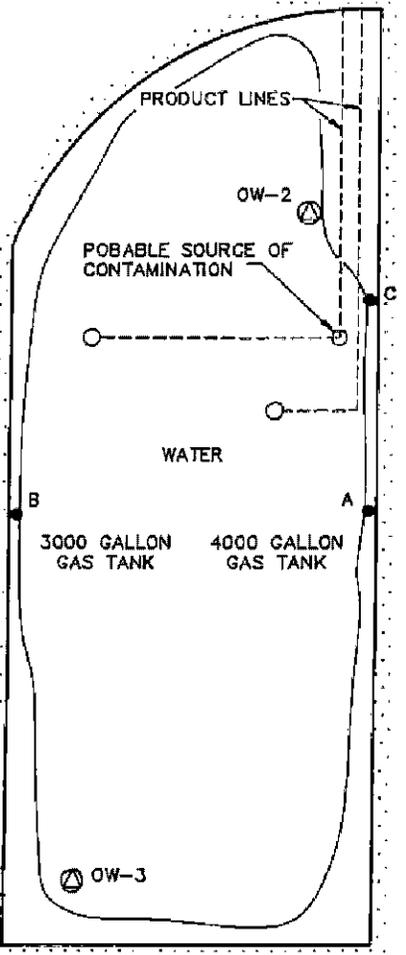
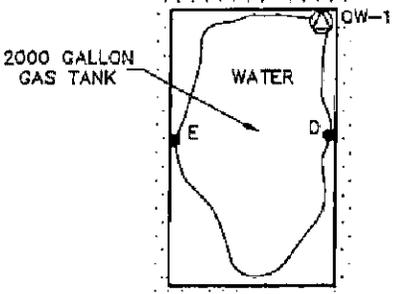
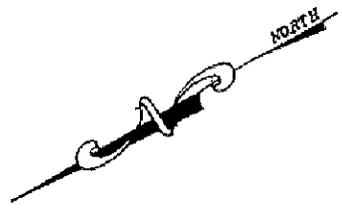


**FIGURE #1 - SITE LOCATION MAP
COUNTRY CROSSROADS/NORMAN MELLOTT
FACILITY I.D. #31-07856
TODD TWP., HUNTINGDON CO., PENNSYLVANIA**

RT. 994



FORMER PUMP ISLAND



COUNTRY CROSSROADS

LEGEND

- - SOIL SAMPLE LOCATIONS (SOIL/H₂O INTERFACE)
- ⊙ - OBSERVATION WELL LOCATION

NORMAN MELLOTT/COUNRTY CROSSROADS
FIGURE #1
 SITE/SAMPLING MAP
 TODD TOWNSHIP
 HUNTINGDON COUNTY

FILE NAME:
MELLOTT.DWG

SCALE:
1" = 10'

DATE:
8-6-97

DWN. BY:
AJH

CHK. BY:
JDP

EARTHTECH, INC.
 334 BLOOMFIELD ST., JOHNSTOWN, PA 15904
 PHONE: (814) 266-6402 FAX: (814) 266-6530

ANALYTICAL REPORTS



622 CENTRAL AVENUE
JOHNSTOWN, PA 15902
(814) 536-8506
FAX (814) 535-2286
ENVIRONMENTAL ANALYSIS
PA DEP Certification No. 11-390
EPA Certification No. PA-167

ANALYSIS REPORT

RECEIVED JUN 09 1997

Client: Earthtech Incorporated
334 Bloomfield Street
Johnstown, PA 15904
Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-29-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2585

Sample ID/Location: Norman Mellot/Country Crossroads
Ssample No: A

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Unleaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	9.43	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.0	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
MTBE	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B

Note: MTBE Methyl Tertiary Butyl Ether

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik
Ronald R. Babik
Laboratory Director



NORAC LABORATORY, INC.

622 CENTRAL AVENUE
JOHNSTOWN, PA 15902
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ANALYSIS REPORT

Client: Earthtech Incorporated
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Attn: Mr. Todd Ribblett

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ANALYSIS DATE: 06-04-97
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RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2585

Sample ID/Location: Norman Mellot/Country Crossroads
Sample No. A

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Leaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	9.43	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
o-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
m-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
p-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
1,2,-Dibromomethane	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
1,2,-Dichloroethane	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Lead(total)	21.0	mg/kg	0.05				EPA 7421

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:


Ronald R. Babik
Laboratory Director



NORAC LABORATORY, INC.

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ANALYSIS REPORT

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334 Bloomfield Street
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SAMPLING DATE: 05-29-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2586

Sample ID/Location: Norman Mellot/Country Crossroads
Ssample No: B

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Unleaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	18.11	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
MTBE	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B

Note: MTBE Methyl Tertiary Butyl Ether

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik

Ronald R. Babik
Laboratory Director



NORAC LABORATORY, INC.

622 CENTRAL AVENUE
JOHNSTOWN, PA 15902
(814) 536-8506
FAX (814) 535-2286
ENVIRONMENTAL ANALYSIS
PA DEP Certification No. 11-390
EPA Certification No. PA-167

ANALYSIS REPORT

RECEIVED JUN 03 1997

Client: Earthtech Incorporated
334 Bloomfield Street
Johnstown, PA 15904
Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-29-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2586

Sample ID/Location: Norman Mellot/Country Crossroads
Sample No. B

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Leaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	18.11	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
o-Xylene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
m-Xylene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
p-Xylene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
1,2,-Dibromomethane	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
1,2,-Dichloroethane	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Lead(total)	27.0	mg/kg	0.05				EPA 7421

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:


Ronald R. Babik
Laboratory Director



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 PA DEP Certification No. 11-390
 EPA Certification No. PA-167

ANALYSIS REPORT

RECEIVED JUN 09

Client: Earthtech Incorporated
 334 Bloomfield Street
 Johnstown, PA 15904
 Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-29-97 (00:00)
 ANALYSIS DATE: 06-04-97
 SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
 REPORTING DATE: 06-04-97
 LABORATORY No: S097-05-2587

Sample ID/Location: Norman Mellot/Country Crossroads
 Ssample No: C

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Unleaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	14.93	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
MTBE	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8270B

Note: MTBE Methyl Tertiary Butyl Ether

Respectfully Submitted,
 NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik
 Ronald R. Babik
 Laboratory Director



NORAC LABORATORY, INC.

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ANALYSIS REPORT

RECEIVED JUN 09 1997

Client: Earthtech Incorporated
334 Bloomfield Street
Johnstown, PA 15904
Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-29-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2587

Sample ID/Location: Norman Mellot/Country Crossroads
Sample No. C

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Leaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	14.93	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
o-Xylene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
m-Xylene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
p-Xylene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
1,2,-Dibromomethane	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
1,2,-Dichloroethane	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8270B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.3	ug/kg	2.0	EPA 8270B
Lead(total)	3.3	mg/kg	0.05				EPA 7421

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:


Ronald R. Babik
Laboratory Director



NORAC LABORATORY, INC.

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334 Bloomfield Street
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Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2588

Sample ID/Location: Norman Mellot/Country Crossroads
Ssample No: D

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Unleaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	18.05	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
MTBE	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B

Note: MTBE Methyl Tertiary Butyl Ether

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:


Ronald R. Babik
Laboratory Director



NORAC LABORATORY, INC.

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PA DEP Certification No. 11-390
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ANALYSIS REPORT

RECEIVED JUN 0

Client: Earthtech Incorporated
334 Bloomfield Street
Johnstown, PA 15904
Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2588

Sample ID/Location: Norman Mellot/Country Crossroads
Sample No. D

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Leaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	18.05	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
o-Xylene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
m-Xylene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
p-Xylene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
1,2,-Dibromomethane	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
1,2,-Dichloroethane	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.4	ug/kg	2.0	EPA 8270B
Lead(total)	1.4	mg/kg	0.05				EPA 7421

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik
Ronald R. Babik
Laboratory Director



NORAC LABORATORY, INC.

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ANALYSIS REPORT

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Client: Earthtech Incorporated
334 Bloomfield Street
Johnstown, PA 15904
Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: S097-05-2589

Sample ID/Location: Norman Mellot/Country Crossroads
Ssample No: E

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Unleaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	10.65	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
MTBE	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B

Note: MTBE Methyl Tertiary Butyl Ether

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik
Ronald R. Babik
Laboratory Director



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ENVIRONMENTAL ANALYSIS
 PA DEP Certification No. 11-390
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ANALYSIS REPORT

RECEIVED JUN 09 1997

Client: Earthtech Incorporated
 334 Bloomfield Street
 Johnstown, PA 15904
 Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00)
 ANALYSIS DATE: 06-04-97
 SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
 REPORTING DATE: 06-04-97
 LABORATORY No: S097-05-2589

Sample ID/Location: Norman Mellot/Country Crossroads
 Sample No. E

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Leaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	10.65	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
o-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
m-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
p-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
1,2,-Dibromomethane	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
1,2,-Dichloroethane	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Lead(total)	7.4	mg/kg	0.05				EPA 7421

Respectfully Submitted,
 NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik
 Ronald R. Babik
 Laboratory Director



NORAC

LABORATORY, INC.

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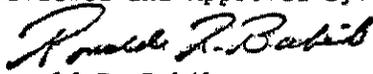
ANALYSIS REPORT

Client: Earthtech Incorporated
 334 Bloomfield Street
 Johnstown, PA 15904
 Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00) RECEIVED DATE: 05-30-97 (15:00)
 ANALYSIS DATE: 06-05-97 REPORTING DATE: 06-05-97
 SAMPLED BY: TAR LABORATORY No: S097-05-2590
 Sample ID/Location: Norman Mellot/Country Crossroads
 SP - 1

Parameters	Results	Units	Detection Limit	Dry Weight		Detection Limit	Methodology
				Results	Units		
% Moisture	11.26	%	1.00				EPA 2013
Total Petroleum Hydrocarbons							
GRO	145.3	mg/kg	2.0	165.1	mg/kg	2.0	EPA 8020/m
Benzene	5.2	ug/kg	2.0	5.90	ug/kg	2.0	EPA 8020/m
Toluene	71.4	ug/kg	2.0	81.10	ug/kg	2.0	EPA 8020/m
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8020/m
Xylenes	121.0	ug/kg	2.0	137.50	ug/kg	2.0	EPA 8020/m
Lead(total)	9.90	mg/kg	0.05				EPA 7421
Total Organic Halogen	< 25.0	mg/kg	25.0				SW846 9020B

Respectfully Submitted,
 NORAC Laboratory, Inc

Reviewed and Approved By:

 Ronald R. Babik
 Laboratory Director



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 PA DEP Certification No. 11-390
 EPA Certification No. PA-167

ANALYSIS REPORT

Client: Earthtech Incorporated
 334 Bloomfield Street
 Johnstown, PA 15904
 Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00)
 ANALYSIS DATE: 06-04-97
 SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
 REPORTING DATE: 06-04-97
 LABORATORY No: S097-05-2591

Sample ID/Location: Norman Mellot/Country Crossroads
 SP - 2

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Leaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	11.45	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
o-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
m-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
p-Xylene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
1,2,-Dibromomethane	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
1,2,-Dichloroethane	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.2	ug/kg	2.0	EPA 8270B
Lead(total)	2.3	mg/kg	0.05				EPA 7421

Respectfully Submitted,
 NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald K. Babik
 Ronald K. Babik
 Laboratory Director



NORAC LABORATORY, INC.

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ANALYSIS REPORT

Client: Earthtech Incorporated
334 Bloomfield Street
Johnstown, PA 15904
Attn: Mr. Todd Ribblett

SAMPLING DATE: 05-30-97 (00:00)
ANALYSIS DATE: 06-04-97
SAMPLED BY: TAR

RECEIVED DATE: 05-30-97 (15:00)
REPORTING DATE: 06-04-97
LABORATORY No: **SO97-05-2591**

Sample ID/Location: Norman Mellot/Country Crossroads
SP - 2

Parameters	Results	Units	Detection Limit	Dry Weight Results	Units	Detection Limit	Methodology
Unleaded Gasoline, Aviation Fuel, Jet Fuel Contamination							
% Moisture	11.45	%	1.00				EPA 2013
Benzene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8260A
Toluene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8260A
Ethylbenzene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8260A
Xylenes	< 2.0	ug/kg	2.0	< 2.03	ug/kg	2.0	EPA 8260A
Isopropylbenzene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8260A
MTBE	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8260A
Naphthalene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8260B
Benzo(a)anthracene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8270B
Benzo(a)pyrene	< 2.0	ug/kg	2.0	< 2.20	ug/kg	2.0	EPA 8270B

Note: MTBE Methyl Tertiary Butyl Ether

Respectfully Submitted,
NORAC Laboratory, Inc

Reviewed and Approved By:

Ronald R. Babik
Laboratory Director

Laboratory Results Summary

Mr. Brian Sheaffer
Perry Petroleum Equipment
Route 17
Ickesburg, PA 17037

Project Manager: n/a
Project Name: **Country Crossroads**
Project Number: n/a
Sampler: n/a
Date Sampled: May 20, 1997
Time Sampled: n/a
Date Received: May 22, 1997
Time Received: 11:15 AM

Analytical Testing Parameters

Selected PA DEP UST Parameters: Unleaded Gasoline

Sample ID: C2528-01 • 1

Test / Parameter	Result	Units	MDL	Method	Test Date	Analyst
MTBE	94.5	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Benzene	2,000	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Toluene	4,960	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Ethylbenzene	5,860	ppb	50.0	EPA 8021A	May 23, 1997	RMS
m,p-Xylene	11,100	ppb	100	EPA 8021A	May 23, 1997	RMS
o-Xylene	10,100	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Isopropylbenzene	4,960	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Naphthalene	8,640	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Benzo(a)anthracene	2,120	ppb	20.0	EPA 8270B	May 23, 1997	RMS
Benzo(a)pyrene	1,140	ppb	20.0	EPA 8270B	May 23, 1997	RMS
% Moisture	7.94	%	0.01	EPA 160.3	May 22, 1997	RMS

ppb = Parts per Billion = µg/Kg (Soil - Dry)

The MDL is the Method Detection Limit, defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte.

Selected PA DEP UST Parameters: Unleaded Gasoline

Sample ID: C2528-02 • 2

Test / Parameter	Result	Units	MDL	Method	Test Date	Analyst
MTBE	121	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Benzene	3,090	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Toluene	5,620	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Ethylbenzene	6,590	ppb	50.0	EPA 8021A	May 23, 1997	RMS
m,p-Xylene	12,100	ppb	100	EPA 8021A	May 23, 1997	RMS
o-Xylene	11,100	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Isopropylbenzene	6,260	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Naphthalene	10,000	ppb	50.0	EPA 8021A	May 23, 1997	RMS
Benzo(a)anthracene	2,440	ppb	20.0	EPA 8270B	May 23, 1997	RMS
Benzo(a)pyrene	1,500	ppb	20.0	EPA 8270B	May 23, 1997	RMS
% Moisture	9.49	%	0.01	EPA 160.3	May 22, 1997	RMS

ppb = Parts per Billion = µg/Kg (Soil - Dry)

The MDL is the Method Detection Limit, defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte.

Reviewed and reported by:



Terry Osenbach, Laboratory Director
PADEP Lab No. 22-478

CHEMSPEC

Analytical Laboratories
 PH: (717) 671-9633 • FAX: (717) 671-9635

Chain of Custody Report

ChemsSpec Analytical Laboratories, Inc. • 6180 Old Jonestown Road, Suite D • Pavonia Business Center - Harrisburg, PA 17112

C2528

Page 1 of 1

Client: <i>West Virginia</i>	Project Manager:	Turnaround Time Requested (Please Circle):	Normal
Address: <i>6</i>	Project Name: <i>5/11/98 10-51-Subs</i>	(Rush Results subject to prior approval and surcharge)	Rush
	Project Number: <i>0</i>		
	Sampler(s):	Rush Results To:	
Phone: <i>334-3770</i>	P.O.#	Fax:	
Fax: <i>334-3930</i>		Phone:	

Sample Identification Description/Locations	Date Collected	Time Collected	Total # of Containers	Matrix	Pres.	Analysis Requested	Remarks
1	5-10-98		-1-	Soil			
2	"		"	"			
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Comments: *positive to make removal but to be protected in formation.*

Send Bill To:	Date	Time	Received By:	Date	Time
	5/11/98	10:58	<i>[Signature]</i>	5/11/98	10:58
			Received By:	Date	Time
			<i>[Signature]</i>	5/11/98	11:15
Phone:	Date	Time	Received By:	Date	Time
Fax:					



NORAC

LABORATORY, INC.

622 CENTRAL AVENUE
JOHNSTOWN, PA 15902
(814) 536-8506
FAX (814) 535-2286
ENVIRONMENTAL ANALYSIS
PA DER Certification No. 11-390
EPA Certification No. PA-167

ANALYSIS REPORT

Client: Earthtech, Inc.
334 Bloomfield Street
Suite 101
Johnstown, PA 15904
Attention: Todd Ribblett

SAMPLING DATE: 07-24-97 (00:00) RECEIVED DATE: 07-25-97 (09:15)
ANALYSIS DATE: 07-28-97 REPORTING DATE: 07-28-97
SAMPLED BY: TAR LABORATORY #: GW97-07-3462

Sample ID/Location: Country Crossroads/Norman Mellott
OW - 1

<u>PARAMETER</u>		<u>RESULTS</u>	<u>UNITS</u>	<u>LIMIT OF DETECTION</u>	<u>METHODOLOGY</u>
Water Matrix Only					
Unleaded Gasoline Contamination					
Benzene	<	1.0	ug/l	1.0	EPA 8260
Toluene		5.7	ug/l	1.0	EPA 8260
Ethylbenzene	<	1.0	ug/l	1.0	EPA 8260
Xylenes	<	1.0	ug/l	1.0	EPA 8260
MTBE	<	1.0	ug/l	1.0	EPA 8260
Naphthalene	<	1.0	ug/l	1.0	EPA 8260

Respectfully Submitted
NORAC LABORATORY, INC.

Reviewed and Approved By:

Ronald R. Babik
Laboratory Director



NORAC

LABORATORY, INC.

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ANALYSIS REPORT

Client: Earthtech, Inc.
334 Bloomfield Street
Suite 101
Johnstown, PA 15904
Attention: Todd Ribblett

SAMPLING DATE: 07-24-97 (00:00) RECEIVED DATE: 07-25-97 (09:15)
ANALYSIS DATE: 07-28-97 REPORTING DATE: 07-28-97
SAMPLED BY: TAR LABORATORY #: GW97-07-3463

Sample ID/Location: Country Crossroads/Norman Mellott
OW - 2

PARAMETER	RESULTS	UNITS	LIMIT OF DETECTION	METHODOLOGY
Water Matrix Only				
Unleaded Gasoline Contamination				
Benzene	< 1.0	ug/l	1.0	EPA 8260
Toluene	< 1.0	ug/l	1.0	EPA 8260
Ethylbenzene	< 1.0	ug/l	1.0	EPA 8260
Xylenes	< 1.0	ug/l	1.0	EPA 8260
MTBE	< 1.0	ug/l	1.0	EPA 8260
Naphthalene	< 1.0	ug/l	1.0	EPA 8260

Respectfully Submitted
NORAC LABORATORY, INC.

Reviewed and Approved By:

Ronald R. Babik
Laboratory Director



NORAC

LABORATORY, INC.

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ENVIRONMENTAL ANALYSIS
PA DER Certification No. 11-390
EPA Certification No. PA-167

ANALYSIS REPORT

Client: Earthtech, Inc.
334 Bloomfield Street
Suite 101
Johnstown, PA 15904
Attention: Todd Ribblett

SAMPLING DATE: 07-24-97 (00:00) RECEIVED DATE: 07-25-97 (09:15)
ANALYSIS DATE: 07-28-97 REPORTING DATE: 07-28-97
SAMPLED BY: TAR LABORATORY #: GW97-07-3464

Sample ID/Location: Country Crossroads/Norman Mellott
OW - 3

PARAMETER	RESULTS	UNITS	LIMIT OF DETECTION	METHODOLOGY	
Water Matrix Only					
Unleaded Gasoline Contamination					
Benzene	3.7	ug/l	1.0	EPA 8260	
Toluene	<	1.0	ug/l	1.0	EPA 8260
Ethylbenzene	<	1.0	ug/l	1.0	EPA 8260
Xylenes	<	1.0	ug/l	1.0	EPA 8260
MTBE	<	1.0	ug/l	1.0	EPA 8260
Naphthalene	<	1.0	ug/l	1.0	EPA 8260

Respectfully Submitted
NORAC LABORATORY, INC.

Reviewed and Approved By:

Ronald R. Babik
Laboratory Director

