

Ryerson Station State Park Dam Greene County, Pennsylvania

Silt Characterization Report

Prepared for



Pennsylvania Department of
Conservation and Natural Resources

by



Gannett Fleming

March 2007

RYERSON STATION DAM SEDIMENT CHARACTERIZATION REPORT

Introduction

This report presents the results of a due diligence study and sediment sampling / testing program conducted on the lake bed sediments at Ryerson Station State Park. The purpose of these investigations was to characterize the lake bed sediments with respect to the definition of “clean fill” as described in the PADEP Bureau of Land Recycling and Waste Management’s April 2004 *Management of Fill* document.

Due Diligence Study

Due diligence activities included a review of previous investigations performed at the site, an electronic database search for potentially contaminated properties within the watershed, an aerial photo review of the watershed and a review of files located at the Pennsylvania Department of Environmental Protection’s (PADEP) Southwest Regional Office in Pittsburgh.

Previous Investigations

A Soil Sample Analysis / Fill Determination letter report was presented to the Pennsylvania Department of Conservation and Natural Resources’ (PADCNR) Western Engineering Office by Professional Service Industries, Inc. (PSI) on December 14, 2005. Soil sampling was performed by PSI in the drained lake bed on November 18, 2005. The purpose of the letter report to PADCNR was to present the findings of the soil sampling analyses which were performed to assess if the material proposed for excavation at the site qualifies as “clean fill” as described in the PADEP Bureau of Land Recycling and Waste Management’s April 2004 *Management of Fill* document.

During the investigation, 12 grab soil samples were collected from depths ranging from 6 to 24 inches below ground level. These samples were analyzed for benzene, toluene, ethylbenzene and xylene (BTEX), pesticides/herbicides, priority pollutant metals and polychlorinated biphenyls (PCBs). No organic chemicals were detected in the samples but several metals were detected. No metal detections exceeded the clean fill standards and as a result, PSI concluded that the soils in the drained lake bed met PADEP’s criteria established for “clean fill”. A copy of PSI’s letter report is included in Attachment A.

Electronic Database Search

Information was obtained from an electronic file search conducted by Environmental Data Resources, Inc. (EDR). EDR searched available electronic environmental databases of federal and state records for various programs pertaining to properties within the proposed project area. The Ryerson Station Dam watershed boundary was designated as the spatial limits for the Area Study performed by EDR. A copy of EDR’s Area Study is included as Attachment B.

EDR's Area Study identified only one property of interest that could be mapped within the study boundary - a Texas Eastern Gas Pipeline Company compressor station located near the town of Wind Ridge. This property was identified in several of the electronic databases searched by EDR. None of the databases reported any violations or discharges of any kind from this compressor station. However, additional information regarding this site was obtained during the file review at PADEP's Southwest Regional Office in Pittsburgh. This additional information is discussed in the PADEP File Review section of this report.

Five other properties of interest were identified but could not be mapped due to insufficient address information. Additional research revealed that three of the five properties are outside of the Ryerson Station Dam watershed so it is unlikely that these properties have adversely impacted the lake bed sediments. The other two properties are Stoke General Merchandise and Ryerson Station State Park which are each discussed below.

Stokes General Merchandise is located in Wind Ridge on the northern edge of the watershed boundary. Four underground storage tanks (USTs) were removed from the property in September 1992 and ethylbenzene and xylene were detected in confirmatory soil samples collected from the bottom of the tank excavation. The maximum detected concentrations of ethylbenzene and xylene (13.0 mg/kg and 2.0 mg/kg, respectively) did not exceed current clean fill standards so it is unlikely that this property has adversely impacted the lake bed sediments.

Four USTs were removed from Ryerson Station State Park property in January 1994. No evidence of tank leakage was observed at this site and there were no detections of fuel related chemicals in confirmatory samples. Two additional USTs were removed from Ryerson Station State Park property in September 1998. There were no detections of fuel related chemicals in confirmatory samples at this site; therefore it is also unlikely that this property has adversely impacted the lake bed sediments.

Aerial Photo Review

An aerial photo review of the study area was performed at the Pennsylvania Geological Survey Library in Middletown, PA. Aerial photographs from 1975, 1967, 1958 and 1951 were reviewed to assess the historical use of the study area and to look for any obvious hazardous material storage or disposal areas. Overall, the aerial photographs show that nearly the entire watershed is undeveloped forest land with no observable evidence of potential hazardous material storage or disposal areas. Copies of the aerial photos reviewed are included in Attachment C.

PADEP File Review

A file review at PADEP's Southwest Regional Office in Pittsburgh was performed on December 5, 2006. Files in the Oil & Gas Wells, Environmental Cleanup, Waste Management and Storage Tanks programs for the following sites were requested for review:

- Greene County General File
- Texas Eastern Wind Ridge Compressor Station
- Stokes General Merchandise
- Ryerson Station State Park
- Gray Township Landfill

Information obtained from the Stokes General Merchandise and Ryerson Station State Park files were previously discussed in this report. It was determined from the file review that the Gray Township Landfill is outside of the study area so it was not investigated further. No pertinent information regarding sites within the study area was obtained from the Greene County General File.

An extensive number of files regarding the Texas Eastern Wind Ridge Compressor Station were available for review. The Wind Ridge Compressor Station is located approximately 2.5 miles south of State Route 21 southeast of Wind Ridge. The primary function of the Wind Ridge Station is to receive incoming gas from an interstate pipeline and compress it for further transportation along the pipeline.

Based on information in DEP's files, pipeline liquid and condensates accumulate in the pipeline at points where reductions in pressure occur and these liquids need to be periodically removed. Lubricating oils containing polychlorinated biphenyl (PCB) compounds were used in the compressors and often leaked into the pipeline over time. In the past, pipeline liquids that contained PCBs were placed into unlined earthen pits located at the site.

The United States Environmental Protection Agency (USEPA) and PADER (Pennsylvania Department of Environmental Resources, currently PA Department of Environmental Protection) commenced soil and groundwater sampling at the site in the late 1980's and into the early 1990's. Contaminated soil was excavated and disposed of, and groundwater monitoring wells were installed and sampled. A Groundwater Assessment Report was finalized on March 6, 1991 for the Wind Ridge Compressor Site. It was concluded in this report that long-term groundwater monitoring should be performed at this site to ensure that contaminated groundwater is not migrating offsite.

The latest round of groundwater sampling results that was found in the PADEP files was from October 2001. Copies of the Site Inspection (March 1990) and Ten Year Status (October 2001) Reports from PADEP files are included in Attachment D.

Sediment Sampling and Testing

The due diligence investigation revealed the potential for historic PCB releases from the Texas Eastern Wind Ridge Compressor Station to have introduced PCBs to lake bed sediments. Although PCBs were not detected in soil samples collected by PSI in December 2005, the southeastern end of the lakebed had not been sampled. This area is at the mouth of Wheeling Creek which is the primary tributary to the former lake and is likely to be a depositional area for sediment being transported by Wheeling Creek. As a result, additional soil sampling and testing was performed at the southeastern end of the lakebed to assess if lakebed sediments in this area are contaminated with PCBs.

Lakebed Sediment Sampling

Nine grab sediment samples plus one QA/QC sample were collected from the southeastern end of the lakebed in January 2007. A copy of the field logbook from the sampling event is provided in Attachment E. An attempt was made to collect samples from depositional areas and/or from areas directly downstream of tributaries where sediments from throughout the watershed are transported to the lakebed. All of the samples were collected from a depth of between 6 and 24 inches below ground surface and all of the samples were analyzed for PCBs only. The nine sampling locations S-1 through S-9 are shown on Figure 1. A duplicate sample was collected at sample location S-2 for QA/QC purposes. Latitude and longitude coordinates were recorded at each sampling location using a hand-held GPS unit for mapping purposes. A photoionization detector (PID) was used as a screening tool at each sampling location to determine the presence of volatile organic compounds (VOC). Samples were submitted to American Westech, Inc. for analysis on January 18, 2007. The analytical results are discussed in the following section.

Analytical Results

Each of the samples plus the QA/QC duplicate was analyzed for PCBs only. The laboratory results indicated no detections of PCBs in any of the samples. The Laboratory Results Summary submitted by American Westech on January 30, 2007 is provided in 303 Attachment F.

Conclusions

Based upon our review of previous investigations and testing conducted by PSI as presented in their 2005 report, due diligence investigations and additional sampling and testing conducted by Gannett Fleming, it is concluded that the soils/sediments in the drained lakebed meet PADEP's criteria established for clean fill.

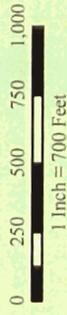
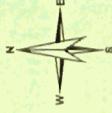
RYERSON STATION STATE PARK

FIGURE 1
SEDIMENT SAMPLE
LOCATION MAP

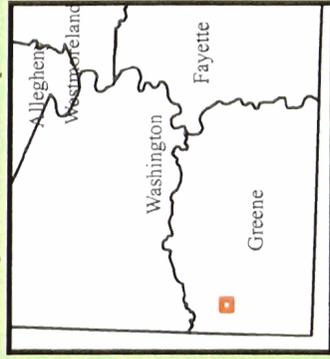


Legend

- ⊕ Sediment Sample

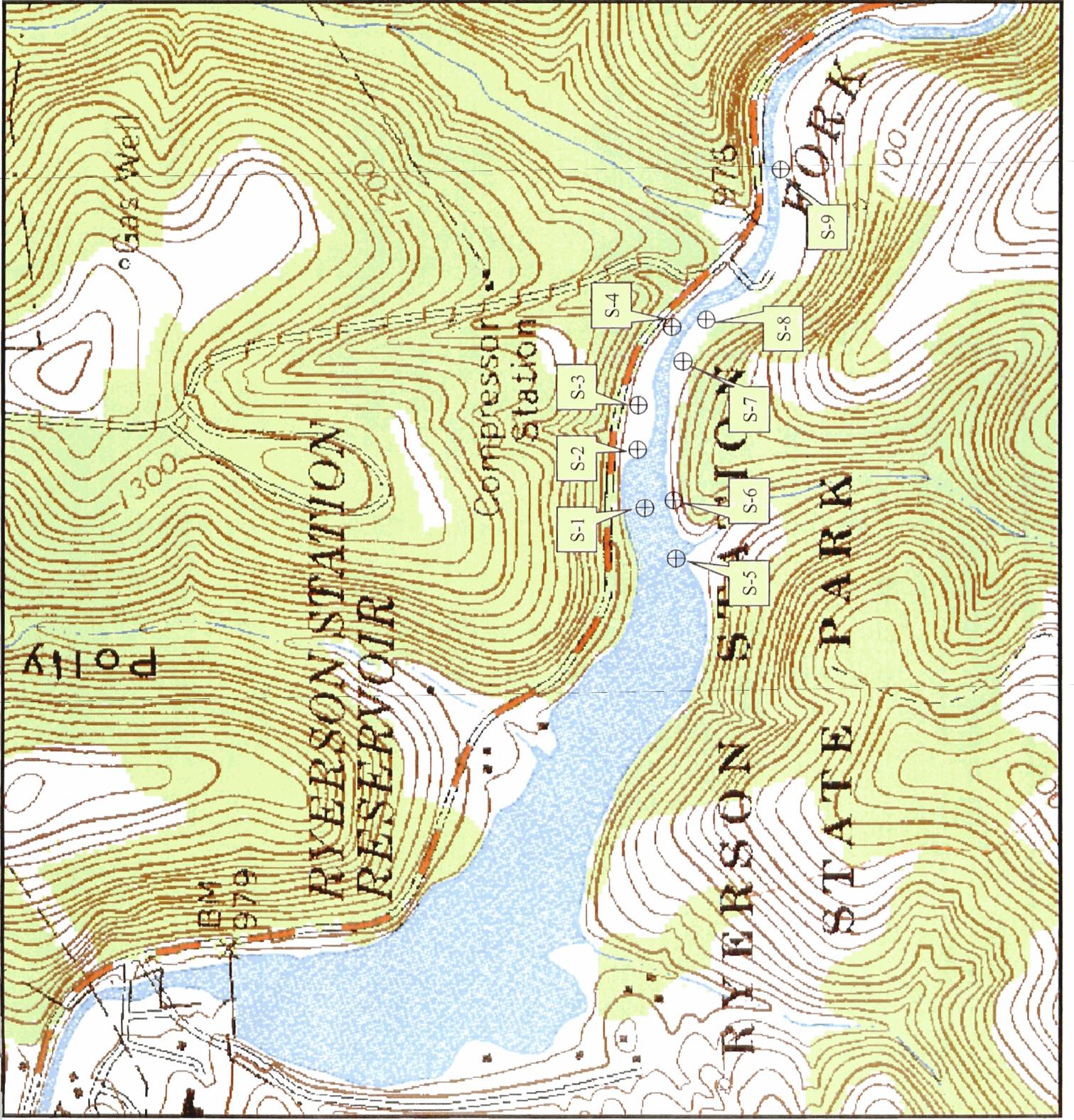


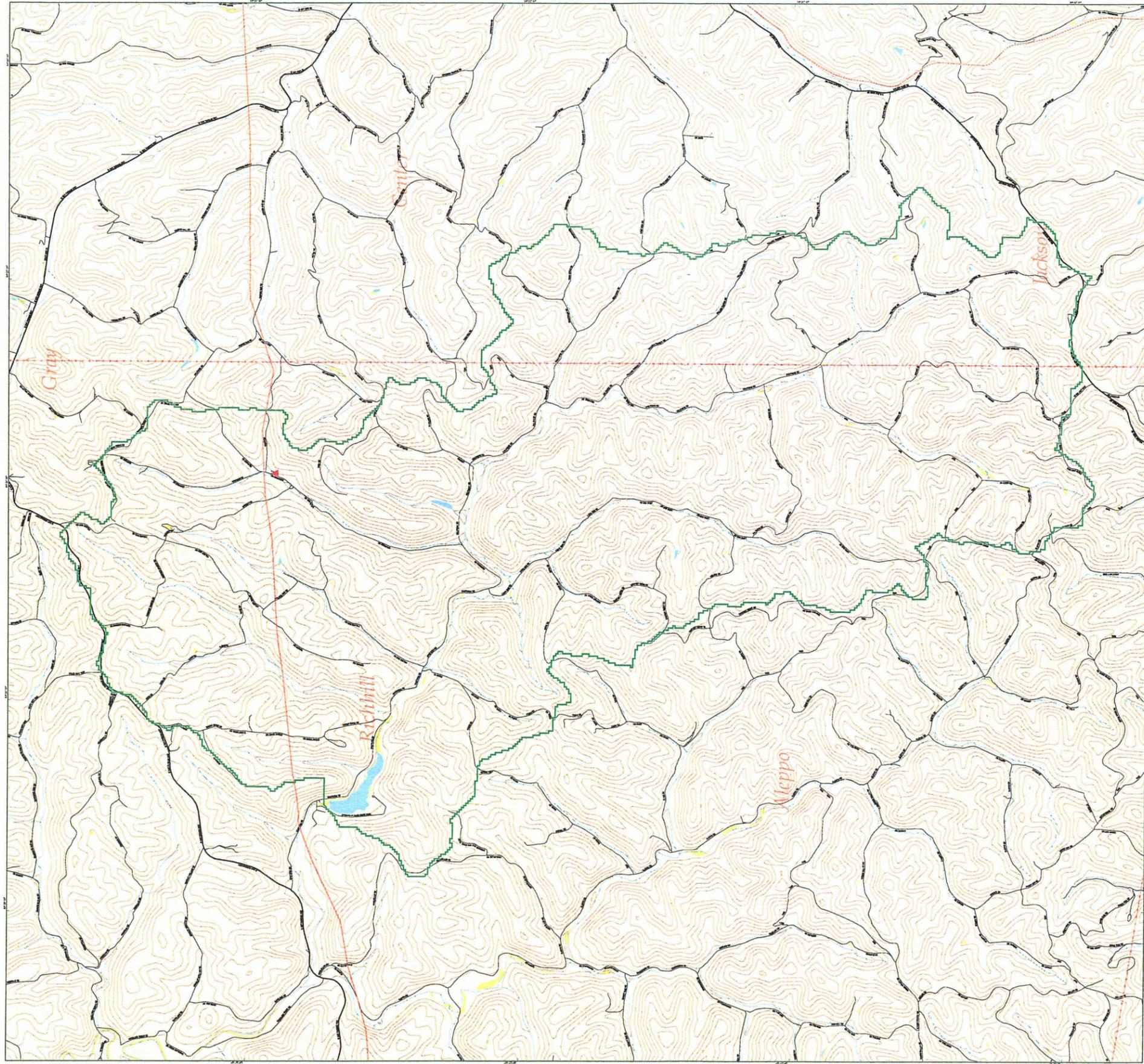
Project Location Map



Data Sources: USGS Digital Raster Graph, Wind Ridge Quadrangle, 1996.
Sediment Sample Locations obtained from Gannett Fleming, Inc., 2006.

Map Date: February 2007





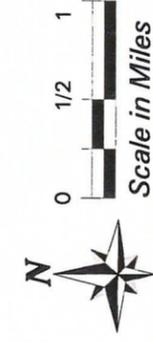
EDR® Environmental
Data Resources Inc

EDR DataMap® – Area Study

Ryerson Dam Watershed



Windridge, PA



- | | | | |
|--|---------------|-------------------|----------------------------|
| Listed Sites | Major Roads | Powerlines | Indian Reservations BIA |
| Earthquake Epicenters (Richter 5 or greater) | Waterways | Fault Lines | National Wetland Inventory |
| Search Boundary | Railroads | Water | |
| Roads | Contour Lines | Superfund Sites | |
| | Pipelines | Federal DOD Sites | |

ATTACHMENT A

**PSI's 2005 Soil Sample Analysis /
Fill Determination Report**



December 14, 2005

Pennsylvania Department of Conservation and Natural Resources
Western Engineering Office
P.O. Box 387
Prospect, PA 16052-0387

Attn: Mr. Stephen Smith

RE: Soil Sample Analysis - Fill Determination
Ryerson Station State Park Lake
Ryerson Station, Greene County, PA
PSI Project No. 816-5G012

Dear Mr. Smith:

Professional Service Industries, Inc. (PSI) has conducted Environmental Soil Sampling and Analysis of the drained lake bed soils at the above referenced site. The sampling was conducted in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Bureau of Land Recycling and Waste Management Document No. 258-2182-773 Titled "Management of Fill".

General

This report presents the findings of the soil sampling conducted at Ryerson State Park, Ryerson Station, Greene County, Pennsylvania. The sampling was conducted by Mr. David Christner of PSI on November 29, 2005.

Authorization

Authorization to perform the sampling and analysis was given by John Jaskolka, P.E. of The Pennsylvania Department of Conservation and Natural Resources PA DCNR in the form of a signed copy of PSI Proposal No. 816-5425, dated November 18, 2005 and signed November 23, 2005.

Purpose and Scope

The purpose of the soil sampling was to determine if the soil proposed for excavation at the site qualifies as "Clean Fill" as identified in the Pennsylvania Department of Environmental Protection (PADEP) Bureau of Land Recycling and Waste Management Document No. 258-2182-773 Titled "Management of Fill". A material qualifying as "Clean Fill" is not considered a waste and no permit is required for its disposal.

December 14, 2005

Pennsylvania Department of Conservation and Natural Resources
Western Engineering Office
P.O. Box 387
Prospect, PA 16052-0387

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In addition to determining if the soil meets the Clean Fill Standards, the client also requested that a soils classification be conducted. The soil was classified per ASTM Method D2487 to provide the client with additional Engineering information concerning the soil.

Field Methodologies

The soil sampling was conducted in accordance with accepted and applicable USEPA methods found in 40 CFR 261, EPA SW846 and the "Management of Fill" Amendment to the (PADEP) Pennsylvania Residual Waste Management Regulations (Title 25, Chapters 271 and 287). PSI collected the appropriate number of samples for soil volumes greater than 125 cubic yards and less than 3,000 cubic yards (per the client's request). Should there be greater than 3,000 cubic yards, then additional samples may be required. Per the regulations, PSI also evaluated the soil for free product (including water), nuisance odors and the presence/absence of visible staining.

PSI collected a total of twelve grab soil samples (G1 through G12) from depths ranging from 6 to 24 inches below ground level. For the analyses, with the exception of benzene, toluene, ethylbenzene and xylene (BTEX), the 12 grab samples were composited into three composite samples as follows:

Composite Sample C1 contains grab samples G1, G2, G3 and G4

Composite Sample C2 contains grab samples G5, G6, G7 and G8

Composite Sample C3 contains grab samples G9, G10, G11 and G12

The composite samples were containerized in laboratory supplied glass containers. For BTEX analysis, the 12 grab soil samples were field screened using a calibrated Photoionization Detector (PID). The PID used for the project was a Photovac Model 220 Pro with a 10.6 eV probe. The PID detects volatile organic compounds (VOCs) as they exist in the pore spaces of the soil. Based on the results of the field screening, PSI selected the three areas most likely to contain elevated VOCs and collected a grab sample from each area (based on only two readings above zero, and one sample selected randomly). The BTEX samples were collected utilizing an Encore™ soil-sampling device.

The samples were collected using properly decontaminated trowels. The sampling equipment was decontaminated prior to and between samples.

The samples were placed in an ice filled cooler and transported under chain of custody to American Analytical Laboratory in Farmingdale, New York for analysis.

A Soil Sample Location Map is attached to this report.

Additional soil was collected from the sampling locations and placed in a 5-gallon bucket for the purposes of a "Soils Classification". The 5-gallon bucket of soil was hand delivered to PSI Pittsburgh's Soils Laboratory.

Laboratory Methodologies

The laboratory analysis of the soil and groundwater samples consisted of the following:

“Clean Fill” Characterization

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by EPA Method 5035/8260
- Chlorinated Herbicides by EPA Method 8115.
- Organochlorine Pesticides by EPA Method 8081
- 13 Priority Pollutant Metals (silver, arsenic, cadmium, chromium, copper, nickel, lead, mercury, selenium, zinc, antimony, beryllium and thallium) by EPA Methods 6010/7000.
- Polychlorinated biphenyls (PCBs) by EPA Method 8082.

“Soils Classification”

- ASTM Standard D2487

4.1 Analytical Results- Soil

No odors or signs of staining were observed in the stockpiled soils during the sampling activities. Free water was observed in some area of the lake bed. The table below contains the results of the field screening.

Table 1 – Soil Screening Results

Grab Sample No.	PID Reading (PPM)
Background	0.0
G1	0.0
G2	0.3
G3	0.0
G4	0.0
G5	0.0
G6	0.0
G7	0.0
G8	0.0
G9	0.0
G10	0.0
G11	0.0
G12	0.1

A total of three composite and three grab samples were submitted to the laboratory for analysis. No BTEX, herbicides, pesticides, or PCBs were detected in any of the samples above the laboratory limit of detection. Several metals were detected above the laboratory limit of detection. Table 2.0 - Soil Analytical Results summarizes the compounds that exceeded the laboratory method detection limit and provides the applicable regulatory standard.

**Table 2.0
Soil Analytical Results**

Soil Sample Number	Detected Compound	Detected Compound Concentration (ppm = mg/kg)	Applicable PADEP-Historic Fill Standard ¹ (ppm = mg/kg)
RS-C1	Arsenic	0.964	12
	Chromium ²	19.3	94
	Copper	21.3	8,200
	Lead	16.2	450
	Mercury	0.052	10
	Nickel	21.8	650
	Zinc	69.3	12,000
RS-C2	Chromium ²	17.4	94
	Copper	20.9	8,200
	Lead	16.5	450
	Mercury	0.060	10
	Nickel	21.1	650
	Zinc	67.6	7500
RS-C3	Chromium ²	21.9	94
	Copper	23.8	8,200
	Lead	17.6	450
	Mercury	0.0580	10
	Nickel	25.0	650
	Zinc	81.8	7500

1 - Pennsylvania Department of Environmental Protection - Bureau of Land Recycling and Waste Management Document No. 258-2182-773 titled "Management of Fill". Table FP-1b "Clean Fill Concentration Limits".

2 - Analysis did not differentiate the type of chromium (III or VI), PA DEP regulations have separate standards for chromium III and VI. The samples were assumed to be composed of chromium VI, which has a more stringent limit.

In addition to the "Clean Fill" Analysis, the soil was characterized by ASTM Standard D2487. The results of this characterization are attached to this report.

Discussion

The analytical parameters selected for analysis were based on a review of past site activities at the subject site as follows. The site has historically been used as a lake within a Pennsylvania State Park. The park is under control of the PA DCNR. Mr. Stephen Smith, a representative of the PA DCNR Western District Office, was not aware of any releases into the lake. Boats with gasoline powered engines are not allowed on the lake. PSI reviewed a topographic map and aerial photographs of the area around the lake and feeder streams. The area surrounding the lake was observed to be undeveloped wooded land. Cultivated agricultural land was observed to be in the vicinity of the lake and feeder streams. PSI also reviewed the PA DEP's E-facts Database on their web site. No facilities with environmental concerns were found on the database in the vicinity of the lake.

Based on the analytical results being below the "Clean Fill Concentration Limits", and the lack of observed odors or staining, the soil meets the criteria established for "Clean Fill".

Warranty

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a Clean Fill determination of the soils at this property. The investigation, conclusions, and recommendations presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

The Clean Fill Determination of the soil has been developed to provide the client with information regarding disposal options of the stockpiled soils at the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the investigation or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

Use By Third Parties

This report was prepared pursuant to the contract PSI has with its client. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than the client, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with its client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

Third party reliance letters may be issued on request and upon payment of the, then current fee for such letters. All third parties relying on PSI's reports, by such reliance, agree to be bound by the proposal and PSI's General Conditions. No reliance by any party is permitted without such agreement, regardless of the content of the reliance letter itself.

Thank you for choosing PSI as your consultant for this project. If you have any questions, or if we can be of service, please call us at (412) 922-4000.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

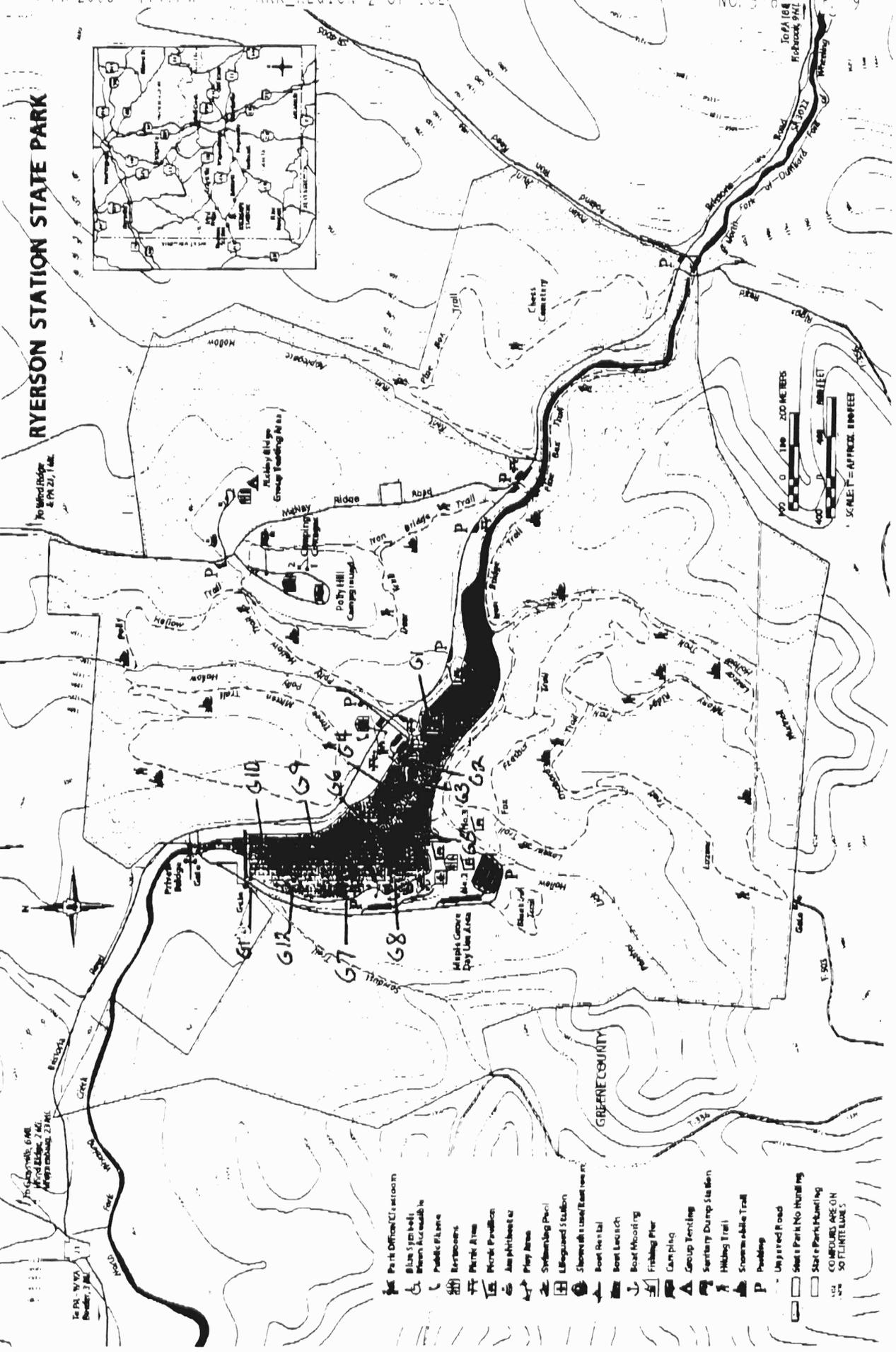
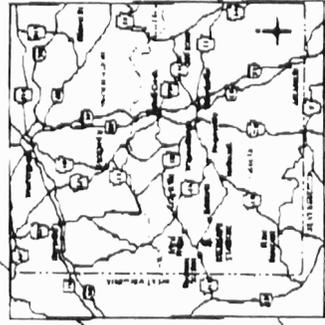
David A. Christner
David A. Christner
Project Manager

Patricia St. Peter 
Patricia St. Peter, LPG
Principal Consultant

Attachments: **Analytical Results**
 Soil Sample Location Map
 Soil Classification Report

Sample Location Map

RYERSON STATION STATE PARK



To Wood Ridge & PA 21, 1 mi.

To Greensboro, 6 mi
To Wood Ridge, 7 mi
To PA 21, 1 mi

- Park Office/Restroom
- Blue sign post
- Brown sign post
- Public Phone
- Restrooms
- North Arrow
- Picnic Pavilion
- Amphitheater
- Play Area
- Swimming Pool
- Lifeguard Station
- Shoreline
- Boat Rental
- Boat Launch
- Boat Mooring
- Fishing Pier
- Camping
- Group Tenting
- Sanitary Dump Station
- Hiking Trail
- Snowmobile Trail
- P Parking
- Unpaved Road
- Sign Post No Hunting
- Sign Post Park Entrance
- Sign Post No Hunting
- Sign Post Park Entrance
- Sign Post No Hunting
- Sign Post Park Entrance

0 100 200 METERS
0 100 200 FEET
SCALE: 1" = APPROX. 100 FEET



NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 58-C0573

Wednesday, December 07, 2005

David Christner
PSI
850 Poplar Street
Pittsburgh, PA 15220
TEL: (412) 922-4000
FAX (412) 922-4844

RE: Ryerson Lake State Park

Order No.: 0511232

Dear David Christner:

American Analytical Laboratories, LLC. received 6 sample(s) on 11/30/2005 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The limits provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lori Beyer", is written over a horizontal line.

Lori Beyer
Lab Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI
 Project: Ryerson Lake State Park
 Lab Order: 0511232

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0511232-01A	RS-C1 [G1,G2,G3,G4]	7703	11/29/2005 9:50:00 AM	11/30/2005
0511232-02A	RS-C2 [G5,G6,G7,G8]	7703	11/29/2005 10:00:00 AM	11/30/2005
0511232-03A	RS-C3 [G9,G10,G11,G12]	7703	11/29/2005 11:00:00 AM	11/30/2005
0511232-04A	RS-G2	7703	11/29/2005 9:40:00 AM	11/30/2005
0511232-05A	RS-G5	7703	11/29/2005 10:15:00 AM	11/30/2005
0511232-06A	RS-G12	7703	11/29/2005 11:40:00 AM	11/30/2005



AMERICAN ANALYTICAL LABORATORIES
 56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
 (631) 454-6100 • FAX (631) 454-8027

NYSDOH 11418
 CTD00H PH40205
 NJDEP NY050
 PADEP 68-573

TAG # / COC 7703

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **PSI, INC**
850 Poplar St
Pittsburgh, PA 15220

CONTACT: **Dave Christler**
412 922-4000 x382
412 922-4844
dave.christler@psidna.com

SAMPLER (SIGNATURE): **David Christler**

SAMPLER NAME (PRINT): **David Christler**

LABORATORY ID #	MATRIX	# CON-TAINERS	SAMPLING DATE/TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED	RECEIVED BY LAB (SIGNATURE)	RECEIVED BY LAB (SIGNATURE)	DATE/TIME	DATE/TIME	FOR METHANOL PRESERVED SAMPLER (VOLATILE ANAL.)
(C) S		1	11/29/05 7:30 A	RS - C1 (G1, G2, G3, G4)	X	DAVID CHRISTLER	DAVID CHRISTLER	11/29/05	11/29/05	0511232-1A
(G) S		1	11/29/05 10:00 A	RS - C2 (G5, G6, G7, G8)	X	DAVID CHRISTLER	DAVID CHRISTLER	11/29/05	11/29/05	2A
(C) S		1	11/29/05 11:00 A	RS - C3 (G9, G10, G11, G12)	X	DAVID CHRISTLER	DAVID CHRISTLER	11/29/05	11/29/05	3A
(G) S		2	11/29/05 2:40 P	RS - G2	X	DAVID CHRISTLER	DAVID CHRISTLER	11/29/05	11/29/05	4A
(G) S		2	11/29/05 10:55 A	RS - G5	X	DAVID CHRISTLER	DAVID CHRISTLER	11/29/05	11/29/05	5A
(G) S		2	11/29/05 11:40 A	RS - G1A	X	DAVID CHRISTLER	DAVID CHRISTLER	11/29/05	11/29/05	6A

PROJECT LOCATION: **Ryerson Lake State Park**

ANALYSIS REQUIRED: **BTEX 8260, CHLORIDE, METALS, PCBs 8082**

FOR METHANOL PRESERVED SAMPLER (VOLATILE ANAL.): **0511232-1A, 2A, 3A, 4A, 5A, 6A**

COOLER TEMPERATURE: _____

COMMENTS / INSTRUCTIONS: **11/30/05**

TURNAROUND REQUIRED: **NORMAL**

RECEIVED BY LAB (SIGNATURE): **DAVID CHRISTLER**

RECEIVED BY LAB (SIGNATURE): **DAVID CHRISTLER**

DATE/TIME: **11/29/05 4:00 PM**

DATE/TIME: **11/29/05 4:00 PM**

PRINTED NAME: **David Christler**

PRINTED NAME: **David Christler**

DATE/TIME: **11/29/05 4:00 PM**

DATE/TIME: **11/29/05 4:00 PM**

PRINTED NAME: **David Christler**

PRINTED NAME: **David Christler**

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

AMERICAN ANALYTICAL LABORATORIES, LLC

66 TOLEDO STREET

FARMINGDALE, NEW YORK 11735

TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFIERS

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: <ol style="list-style-type: none">(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
H	Indicates sample was received and/or analyzed outside of The method allowable holding time

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI	Client Sample ID: RS-C1 [G1,G2,G3,G4]
Lab Order: 0511232	Tag Number: 7703
Project: Ryerson Lake State Park	Collection Date: 11/29/2005 9:30:00 AM
Lab ID: 0511232-01A	Date Received: 11/30/2005
	Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471						
Mercury	0.0528	0.0185		mg/Kg-dry	1	12/6/2005
						Analyst: BK
HERBICIDES SW-846 8161						
						Analyst: KB
2,4,5-T	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
2,4,5-TP (Silvex)	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
2,4-D	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
3,5-Dichlorobenzoic Acid	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
4-Nitrophenol	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Acifluorfen	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Bentazon	U	99		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Chloramben	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Dalapon	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
DCPA	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Dicamba	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Pentachlorophenol	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
Picloram	U	93		µg/Kg-dry	1	12/2/2005 8:20:00 PM
PCB'S AS AROCLORS SW-846 8082						
						Analyst: NP
Aroclor 1018	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
Aroclor 1221	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
Aroclor 1232	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
Aroclor 1242	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
Aroclor 1248	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
Aroclor 1254	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
Aroclor 1260	U	150		µg/Kg-dry	3	12/5/2005 5:14:00 PM
PESTICIDES SW-846 8081						
						Analyst: KB
4,4'-DDD	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
4,4'-DDE	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
4,4'-DDT	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Aldrin	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
alpha-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
beta-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Chlordane	U	23		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Chlorobenzilate	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
DBCP	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
delta-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Dieldrin	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level E Value above quantitation range J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit U Indicates the compound was analyzed for but not detected.
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American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI	Client Sample ID: RS-C1 [G1,G2,G3,G4]
Lab Order: 0511232	Tag Number: 7703
Project: Ryerson Lake State Park	Collection Date: 11/29/2005 9:30:00 AM
Lab ID: 0511232-01A	Date Received: 11/30/2005
	Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Endosulfan I	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Endosulfan II	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Endosulfan sulfate	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Endrin	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Endrin aldehyde	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Endrin ketone	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
gamma-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Heptachlor	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Heptachlor epoxide	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Hexachlorobenzene	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Hexachlorocyclopentadiene	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Methoxychlor	U	9.2		µg/Kg-dry	3	12/6/2005 7:23:00 AM
Toxaphene	U	89		µg/Kg-dry	3	12/6/2005 7:23:00 AM

PERCENT MOISTURE D2216 Analyst: PA
 Percent Moisture 46.0 0 wt% 1 12/1/2005

METALS - PRIORITY POLLUTANT SW6010B (SW3050A) Analyst: JP

Antimony	U	0.919		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Arsenic	0.964	0.919		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Beryllium	U	0.735		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Cadmium	U	0.360		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Chromium	19.3	0.735		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Copper	21.3	0.735		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Lead	18.2	0.551		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Nickel	21.8	0.735		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Selenium	U	0.919		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Silver	U	0.735		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Thallium	U	0.551		mg/Kg-dry	1	12/5/2005 4:33:41 PM
Zinc	69.3	0.735		mg/Kg-dry	1	12/5/2005 4:33:41 PM

Qualifiers:

• Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Value above quantitation range	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits	U Indicates the compound was analyzed for but not detected

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American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI	Client Sample ID: RS-C2 [G5,G6,G7,G8]
Lab Order: 0511232	Tag Number: 7703
Project: Ryerson Lake State Park	Collection Date: 11/29/2005 10:00:00 AM
Lab ID: 0511232-02A	Date Received: 11/30/2005
	Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471						
Mercury	0.0800	0.0187		mg/Kg-dry	1	12/8/2005
						Analyst: BK
HERBICIDES SW-846 8181						
						Analyst: KB
2,4,5-T	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
2,4,5-TP (Silvex)	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
2,4-D	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
3,6-Dichlorobenzoic Acid	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
4-Nitrophenol	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Acifluorfen	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Bentazone	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Chloramben	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Dalapon	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
DCPA	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Dicamba	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Pentachlorophenol	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
Picloram	U	93		µg/Kg-dry	1	12/2/2005 9:03:00 PM
PCB'S AS AROCLORS SW-846 8082						
						Analyst: NP
Aroclor 1016	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
Aroclor 1221	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
Aroclor 1232	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
Aroclor 1242	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
Aroclor 1248	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
Aroclor 1254	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
Aroclor 1260	U	150		µg/Kg-dry	3	12/5/2005 5:57:00 PM
PESTICIDES SW-846 8081						
						Analyst: KB
4,4'-DDD	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
4,4'-DDE	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
4,4'-DDT	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
Aldrin	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
alpha-BHC	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
beta-BHC	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
Chlordane	U	28		µg/Kg-dry	3	12/6/2005 8:30:00 AM
Chlorobenzilate	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
DBCP	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
delta-BHC	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM
Dieldrin	U	9.3		µg/Kg-dry	3	12/6/2005 8:30:00 AM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	S Spike Recovery outside accepted recovery limits	U Indicates the compound was analyzed for but not detected

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI Client Sample ID: RS-C2 [G5,G6,G7,G8]
 Lab Order: 0511232 Tag Number: 7703
 Project: Ryerson Lake State Park Collection Date: 11/29/2005 10:00:00 AM
 Lab ID: 0511232-02A Date Received: 11/30/2005 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Endosulfan I	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Endosulfan II	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Endosulfan sulfate	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Endrin	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Endrin aldehyde	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Endrin ketone	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
gamma-BHC	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Heptachlor	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Heptachlor epoxide	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Hexachlorobenzene	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Hexachlorocyclopentadiene	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Methoxychlor	U	9.3		µg/Kg-dry	3	12/8/2005 8:30:00 AM
Toxaphene	U	90		µg/Kg-dry	3	12/8/2005 8:30:00 AM

PERCENT MOISTURE D2216 Analyst: PA
 Percent Moisture 48.5 0 wt% 1 12/1/2005

METALS - PRIORITY POLLUTANT SW8010B (SW3050A) Analyst: JP

Antimony	U	0.909		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Arsenic	U	0.909		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Beryllium	U	0.728		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Cadmium	U	0.384		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Chromium	17.4	0.728		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Copper	20.9	0.728		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Lead	16.5	0.546		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Nickel	21.1	0.728		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Selenium	U	0.909		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Silver	U	0.728		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Thallium	U	0.546		mg/Kg-dry	1	12/5/2005 4:35:50 PM
Zinc	67.6	0.728		mg/Kg-dry	1	12/5/2005 4:35:50 PM

Qualifiers: * Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
 E Value above quantitation range H Holding times for preparation or analysis exceeded
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits U Indicates the compound was analyzed for but not detected

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI	Client Sample ID: RS-C3 [G9,G10,G11,G12]
Lab Order: 0511232	Tag Number: 7703
Project: Ryerson Lake State Park	Collection Date: 11/29/2005 11:00:00 AM
Lab ID: 0511232-03A	Date Received: 11/30/2005
	Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471						
Mercury	0.0580	0.0184		mg/Kg-dry	1	Analyst: BK 12/8/2005
HERBICIDES SW-846 8151						
						Analyst: KB
2,4,5-T	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
2,4,5-TP (Silvex)	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
2,4-D	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
3,5-Dichlorobenzoic Acid	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
4-Nitrophenol	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Acifluorfen	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Bentazon	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Chloramben	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Dalapon	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
DCPA	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Dicamba	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Pentachlorophenol	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
Picloram	U	92		µg/Kg-dry	1	12/2/2005 10:08:00 PM
PCB'S AS AROCLORS SW-846 8082						
						Analyst: NP
Aroclor 1016	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
Aroclor 1221	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
Aroclor 1232	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
Aroclor 1242	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
Aroclor 1248	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
Aroclor 1254	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
Aroclor 1260	U	150		µg/Kg-dry	3	12/5/2005 6:39:00 PM
PESTICIDES SW-846 8081						
						Analyst: KB
4,4'-DDD	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
4,4'-DDE	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
4,4'-DDT	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Aldrin	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
alpha-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
beta-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Chlordane	U	28		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Chlorobenzilate	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
DBCP	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
delta-BHC	U	6.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Dieldrin	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value above quantization range	H Holding time for preparation or analysis exceeded
	J Analyte detected below quantization limits	ND Not Detected at the Reporting Limit
	S Spike Recovery outside accepted recovery limits	U Indicates the compound was analyzed for but not detected

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT:	PSI	Client Sample ID:	RS-C3 [G9,G10,G11,G12]
Lab Order:	0511232	Tag Number:	7703
Project:	Ryersson Lake State Park	Collection Date:	11/29/2005 11:00:00 AM
Lab ID:	0511232-03A	Date Received:	11/30/2005
		Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Endosulfan I	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Endosulfan II	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Endosulfan sulfate	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Endrin	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Endrin aldehyde	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Endrin ketone	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
gamma-BHC	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Heptachlor	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Heptachlor epoxide	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Hexachlorobenzene	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Hexachlorocyclopentadiene	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Methoxychlor	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM
Toxaphene	U	9.2		µg/Kg-dry	3	12/6/2005 9:14:00 AM

PERCENT MOISTURE D2216 Analyst: PA
 Percent Moisture 45.6 0 wt% 1 12/1/2005

METALS - PRIORITY POLLUTANT SW6010B (SW3050A) Analyst: JP

Antimony	U	0.868		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Arsenic	U	0.868		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Beryllium	U	0.694		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Cadmium	U	0.347		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Chromium	21.8	0.684		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Copper	23.8	0.684		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Lead	17.6	0.521		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Nickel	25.0	0.684		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Selenium	U	0.868		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Silver	U	0.684		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Thallium	U	0.521		mg/Kg-dry	1	12/5/2005 4:37:57 PM
Zinc	81.8	0.694		mg/Kg-dry	1	12/5/2005 4:37:57 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detected

Page 6 of 9

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI	Client Sample ID: RS-G2
Lab Order: 0511232	Tag Number: 7703
Project: Ryerson Lake State Park	Collection Date: 11/29/2005 9:40:00 AM
Lab ID: 0511232-04A	Date Received: 11/30/2005
	Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BTEX SW-846 8020		SW8020A				Analyst: SB
Benzene	U	9.3		ug/Kg-dry	1	11/30/2005 11:28:00 PM
Ethylbenzene	U	9.3		ug/Kg-dry	1	11/30/2005 11:28:00 PM
m,p-Xylene	U	10		ug/Kg-dry	1	11/30/2005 11:28:00 PM
o-Xylene	U	9.3		ug/Kg-dry	1	11/30/2005 11:28:00 PM
Toluene	U	9.3	B	ug/Kg-dry	1	11/30/2005 11:28:00 PM
PERCENT MOISTURE		D2216				Analyst: PA
Percent Moisture	46.2	0		wt%	1	12/1/2005

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	S Spike Recovery outside accepted recovery limits	U Indicates the compound was analyzed for but not detected

American Analytical Laboratories, LLC.

Date: 07-Dec-05

CLIENT: PSI	Client Sample ID: RS-G5
Lab Order: 0511232	Tag Number: 7703
Project: Ryerson Lake State Park	Collection Date: 11/29/2005 10:15:00 AM
Lab ID: 0511232-05A	Date Received: 11/30/2005
	Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BTEX SW-846 3020				SW8020A		Analyst: SB
Benzene	U	9.2		µg/Kg-dry	1	12/1/2005 12:02:00 AM
Ethylbenzene	U	9.2		µg/Kg-dry	1	12/1/2005 12:02:00 AM
m,p-Xylene	U	18		µg/Kg-dry	1	12/1/2005 12:02:00 AM
o-Xylene	U	9.2		µg/Kg-dry	1	12/1/2005 12:02:00 AM
Toluene	U	9.2	B	µg/Kg-dry	1	12/1/2005 12:02:00 AM
PERCENT MOISTURE				D2216		Analyst: PA
Percent Moisture	45.5	0		wt%	1	12/1/2005

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detected

ATTACHMENT B

EDR Data Map Area Study



EDR® Environmental
Data Resources Inc

EDR DataMap[®] Area Study

**Ryerson Dam Watershed
Windridge, PA 15380**

November 07, 2006

Inquiry number 01784045.1r

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

WINDRIDGE, PA 15380
WINDRIDGE, PA 15380

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS..... Hazardous Sites Cleanup Act Site List

EXECUTIVE SUMMARY

HSCA	HSCA Remedial Sites Listing
SWF/LF	Operating Facilities
HIST LF	Abandoned Landfill Inventory
LUST	Storage Tank Release Sites
UNREG LTANKS	Unregulated Tank Cases
UST	Listing of Pennsylvania Regulated Underground Storage Tanks
ARCHIVE UST	Archived Underground Storage Tank Sites
LAST	Storage Tank Release Sites
AST	Listing of Pennsylvania Regulated Aboveground Storage Tanks
ARCHIVE AST	Archived Aboveground Storage Tank Sites
ACT 2-DEED	Act 2-Deed Acknowledgment Sites
ENG CONTROLS	Engineering Controls Site Listing
INST CONTROL	Institutional Controls Site Listing
VCP	Voluntary Cleanup Program Sites
DRYCLEANERS	Drycleaner Facility Locations
BROWNFIELDS	Brownfields Sites
AIRS	Permit and Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants ... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1

EXECUTIVE SUMMARY

RCRA-LQG site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>TEXAS EASTERN WIND RIDGE STA</i>	<i>LR 30003-3 MI N OF BRIS</i>	<i>1</i>	<i>3</i>

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 07/07/2006 has revealed that there is 1 PADS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>TEXAS EASTERN WIND RIDGE STA</i>	<i>LR 30003-3 MI N OF BRIS</i>	<i>1</i>	<i>3</i>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/21/2006 has revealed that there is 1 FINDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>TEXAS EASTERN WIND RIDGE STA</i>	<i>LR 30003-3 MI N OF BRIS</i>	<i>1</i>	<i>3</i>

STATE AND LOCAL RECORDS

MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 PA MANIFEST site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
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EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL RECOVERY	0
CERCLIS	0
CERC-NFRAP	0
CORRACTS	0
RCRA TSD	0
RCRA Lg. Quan. Gen.	1
RCRA Sm. Quan. Gen.	0
ERNS	0
HMIRS	0
US ENG CONTROLS	0
US INST CONTROL	0
DOD	0
FUDS	0
US BROWNFIELDS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
TRIS	0
TSCA	0
FTTS	0
SSTS	0
ICIS	0
PADS	1
MLTS	0
MINES	0
FINDS	1
RAATS	0
<u>STATE AND LOCAL RECORDS</u>	
State Haz. Waste	0
HSCA	0
SWF/LF	0
HIST LF	0
LUST	0
UNREG LTANKS	0
UST	0
ARCHIVE UST	0
LAST	0
AST	0
ARCHIVE AST	0
MANIFEST	0
ACT 2-DEED	0
ENG CONTROLS	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
INST CONTROL	0
VCP	0
DRYCLEANERS	0
BROWNFIELDS	0
AIRS	0
 <u>TRIBAL RECORDS</u>	
INDIAN RESERV	0
INDIAN LUST	0
INDIAN UST	0
 <u>EDR PROPRIETARY RECORDS</u>	
Manufactured Gas Plants	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

1	TEXAS EASTERN WIND RIDGE STA LR 30003-3 MI N OF BRISTORA GRAYSVILLE, PA 15337	PADS FINDS RCRA-LQG NY MANIFEST	1000157140 PAD982365322
---	--	--	--

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRAInfo:

Owner: TEXAS EASTERN GAS P/L
 (215) 555-1212
 EPA ID: PAD982365322
 Contact: C_R SHADOWENS
 (713) 759-5388

Classification: Large Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST:

Document ID: NYB2229003
 Manifest Status: C
 Trans1 State ID: NY60337S
 Trans2 State ID: Not reported
 Generator Ship Date: 920410
 Trans1 Recv Date: 920410
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 920413
 Part A Recv Date: 920417
 Part B Recv Date: 920422
 Generator EPA ID: PAD982365322
 Trans1 EPA ID: ILD099202681
 Trans2 EPA ID: Not reported
 TSDF ID: NYD049836679
 Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
 Quantity: 10929
 Units: K - Kilograms (2.2 pounds)
 Number of Containers: 001
 Container Type: DT - Dump trucks
 Handling Method: L Landfill.
 Specific Gravity: 100
 Year: 92
 Facility Type: Generator
 EPA ID: PAD982365322
 Facility Name: TEXAS EASTERN GAS PIPELINE COMPANY
 Facility Address: RD #1 BOX 79
 Facility City: GRAYSVILLE
 Facility Zip 4: Not reported
 Country: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TEXAS EASTERN WIND RIDGE STA (Continued)

1000157140

County: Not reported
Mailing Name: TEXAS EASTERN GAS PIPELINE COMPANY
Mailing Contact: KEITH HOOKER
Mailing Address: RD#1 BOX 79
Mailing City: GRAYSVILLE
Mailing State: PA
Mailing Zip: 15337
Mailing Zip4: Not reported
Mailing Country: Not reported
Mailing Phone: 412-428-3501

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST: detail in the EDR Site Report.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GRAY TWP	1003865697	GRAY TWP LANDFILL	RTE 21	15337	CERC-NFRAP
NEW FREEPORT	1004772594	B & D AUTO REPAIR INC	INTERSECTION OF SR 18	15352	RCRA-SQG, FINDS
WIND RIDGE	U002322039	STOKES GEN MERCHANDISE	ROUTE 21	15380	LUST, UST, ARCHIVE UST
WIND RIDGE	1005498725	RYERSON STA STATE PARK	361 BRISTONIA AVENUE	15380	FINDS
WINDRIDGE	1004774756	TETCO M & R 013 MP 727.02 LN 15	SR4001 0.7 MI N OF HWY 21	15380	RCRA-SQG, FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 11/01/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/29/2007
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 11/01/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/29/2007
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 11/01/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/29/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-603-8960
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 07/17/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: 703-603-8960
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 10/24/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 10/18/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 10/23/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Quarterly

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 10/18/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 11/07/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/27/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 12/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 10/02/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 10/20/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Hazardous Sites Cleanup Act Site List

The Hazardous Sites Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed sites, and Sites Being Studied or Response Being Planned.

Date of Government Version: 02/01/2006	Source: Department Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 717-783-7816
Date Made Active in Reports: 03/15/2006	Last EDR Contact: 08/18/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Semi-Annually

HSCA: HSCA Remedial Sites Listing

A list of remedial sites on the PA Priority List. This is the PA state equivalent of the federal NPL superfund list.

Date of Government Version: 05/05/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/26/2004	Telephone: 717-783-7816
Date Made Active in Reports: 06/24/2004	Last EDR Contact: 08/16/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Operating Facilities

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/31/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 09/21/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Semi-Annually

HIST LF: Abandoned Landfill Inventory

The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/04/2005
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Varies

HIST LF INACTIVE: Inactive Facilities List

A listing of inactive non-hazardous facilities (10000 & 300000 series). This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 12/20/1994
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 06/21/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

HIST LF INVENTORY: Facility Inventory

A listing of solid waste facilities. This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 06/02/1999
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 09/19/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

LUST: Storage Tank Release Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/14/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 08/18/2006
Number of Days to Update: 37

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 10/12/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Semi-Annually

UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002
Date Data Arrived at EDR: 08/14/2003
Date Made Active in Reports: 08/29/2003
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 08/14/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Listing of Pennsylvania Regulated Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/07/2006	Telephone: 717-772-5599
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 10/12/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Varies

ARCHIVE UST: Archived Underground Storage Tank Sites

The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/07/2006	Telephone: 717-772-5599
Date Made Active in Reports: 07/12/2006	Last EDR Contact: 10/12/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Varies

LAST: Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 06/14/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/12/2006	Telephone: 717-783-7509
Date Made Active in Reports: 08/18/2006	Last EDR Contact: 10/12/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Semi-Annually

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/07/2006	Telephone: 717-772-5599
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 10/12/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Varies

ARCHIVE AST: Archived Aboveground Storage Tank Sites

The list includes aboveground tanks with a capacity greater than 21,000 gallons that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 06/01/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/07/2006	Telephone: 717-772-5599
Date Made Active in Reports: 07/12/2006	Last EDR Contact: 10/12/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/08/2007
	Data Release Frequency: Varies

MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/17/2006	Telephone: N/A
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ACT 2-DEED: Act 2-Deed Acknowledgment Sites

This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

Date of Government Version: 09/19/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/20/2006	Telephone: 717-783-9470
Date Made Active in Reports: 09/29/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Varies

ENG CONTROLS: Engineering Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/03/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/21/2006	Telephone: 717-783-9470
Date Made Active in Reports: 09/29/2006	Last EDR Contact: 08/16/2006
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Varies

INST CONTROL: Institutional Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/03/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/21/2006	Telephone: 717-783-9470
Date Made Active in Reports: 09/29/2006	Last EDR Contact: 08/16/2006
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites involved in the Voluntary Cleanup Program

Date of Government Version: 09/19/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/20/2006	Telephone: 717-783-2388
Date Made Active in Reports: 09/29/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Locations

A listing of drycleaner facility locations.

Date of Government Version: 07/20/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/20/2006	Telephone: 717-787-9702
Date Made Active in Reports: 08/18/2006	Last EDR Contact: 10/30/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Sites

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 09/15/2006
Date Made Active in Reports: 09/29/2006
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/03/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/10/2006
Date Made Active in Reports: 09/12/2006
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6271
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 01/01/2006	Source: EPA Region 4
Date Data Arrived at EDR: 02/27/2006	Telephone: 404-562-8677
Date Made Active in Reports: 03/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 01/01/2006	Source: EPA Region 4
Date Data Arrived at EDR: 02/27/2006	Telephone: 404-562-9424
Date Made Active in Reports: 03/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 21

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/10/2006
Date Made Active in Reports: 09/12/2006
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/06/2006
Date Made Active in Reports: 08/01/2006
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 08/30/2006
Date Made Active in Reports: 10/16/2006
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/31/2006
Number of Days to Update: 32

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Annually

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers for Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Public Welfare

Telephone: 717-783-3856

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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EDR DataMap® – Area Study

Ryerson Dam Watershed



Windridge, PA

- | | | | |
|--|---------------|-------------------|----------------------------|
| Listed Sites | Major Roads | Powerlines | Indian Reservations BIA |
| Earthquake Epicenters (Richter 5 or greater) | Waterways | Fault Lines | National Wetland Inventory |
| Search Boundary | Railroads | Water | |
| Roads | Contour Lines | Superfund Sites | |
| | Pipelines | Federal DOD Sites | |



Scale in Miles

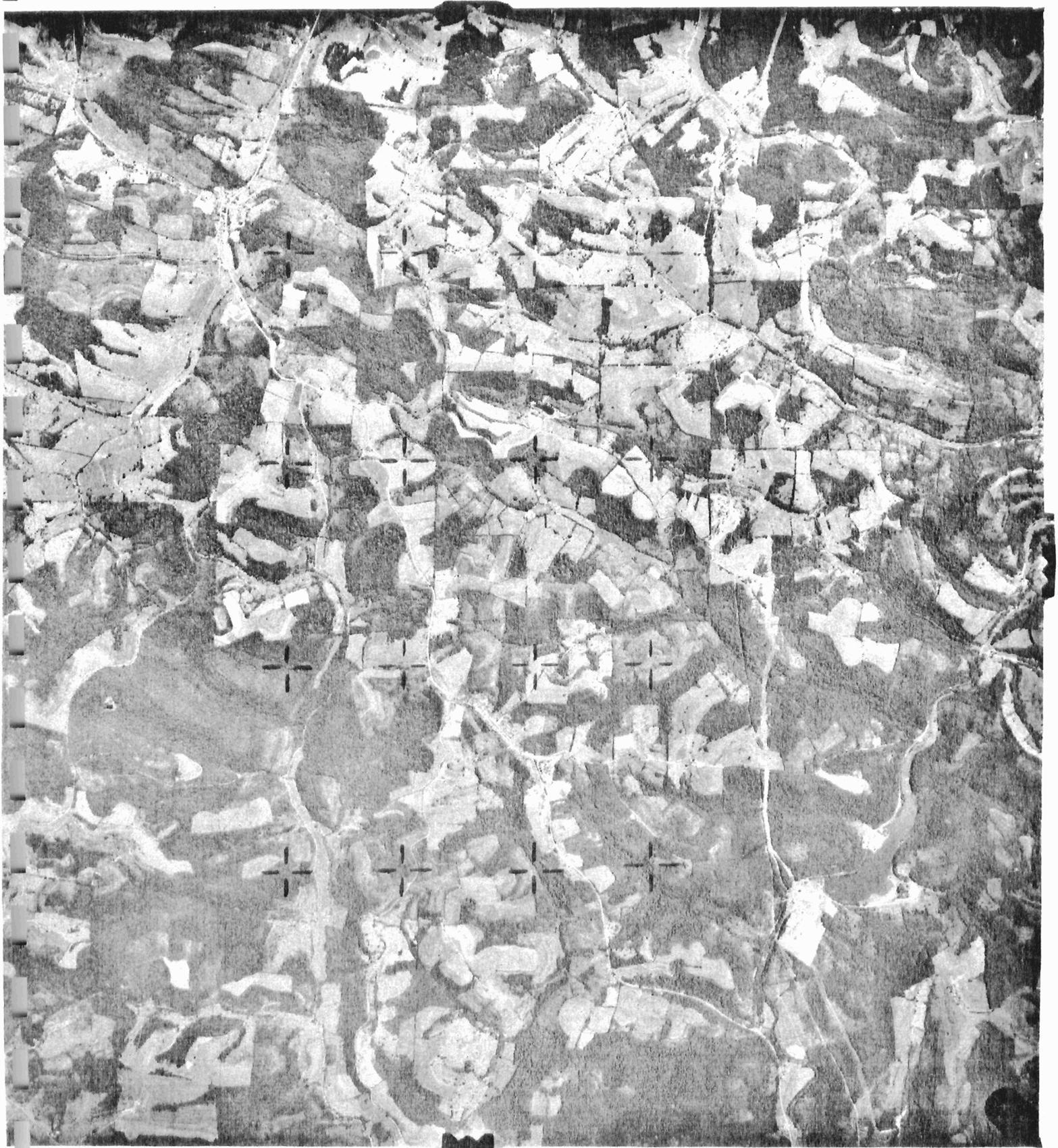
11 x 17

Ryerson Dam Watershed

ATTACHMENT C

Aerial Photos

1975

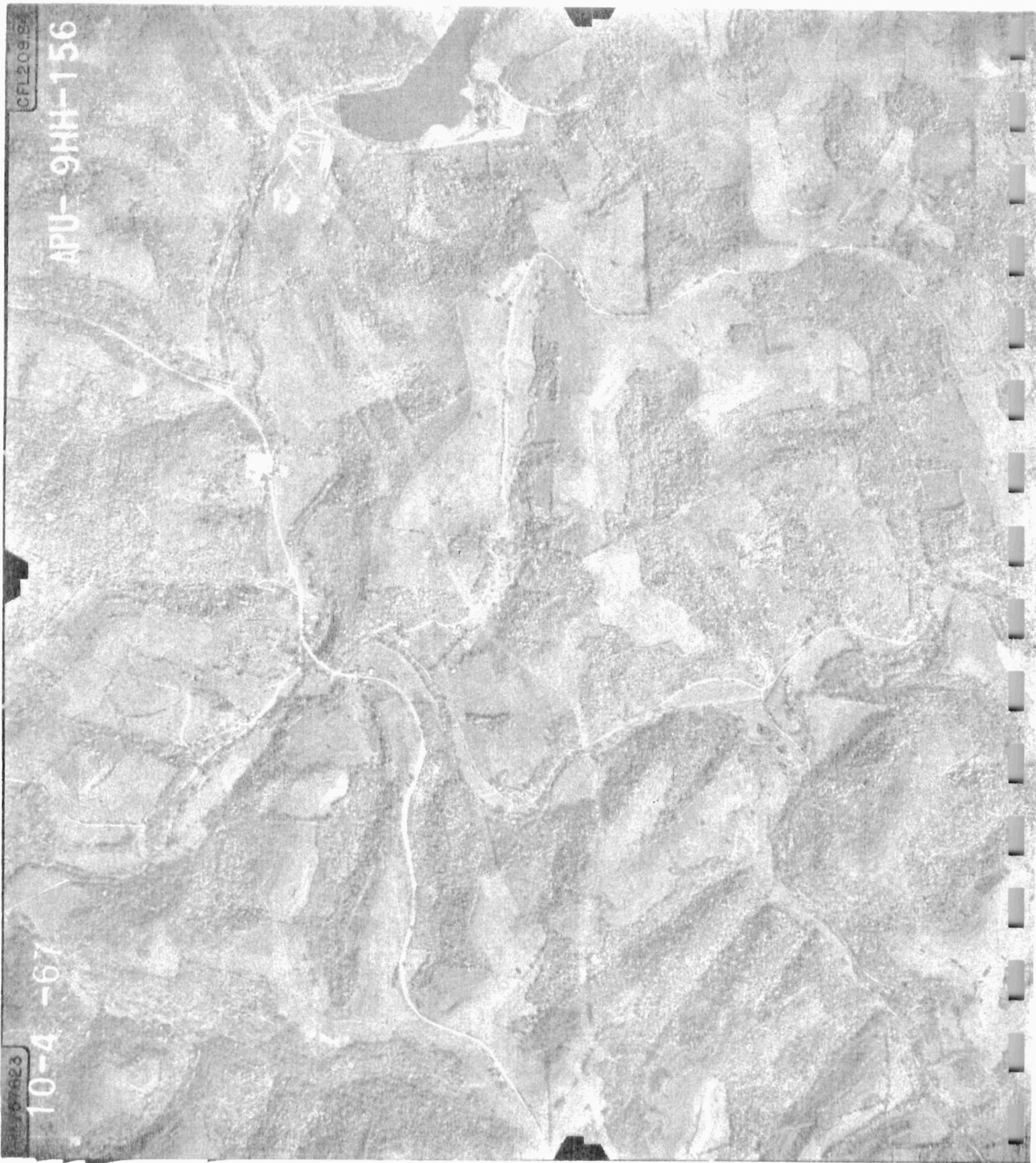


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APU-9HH-156

CFL20924



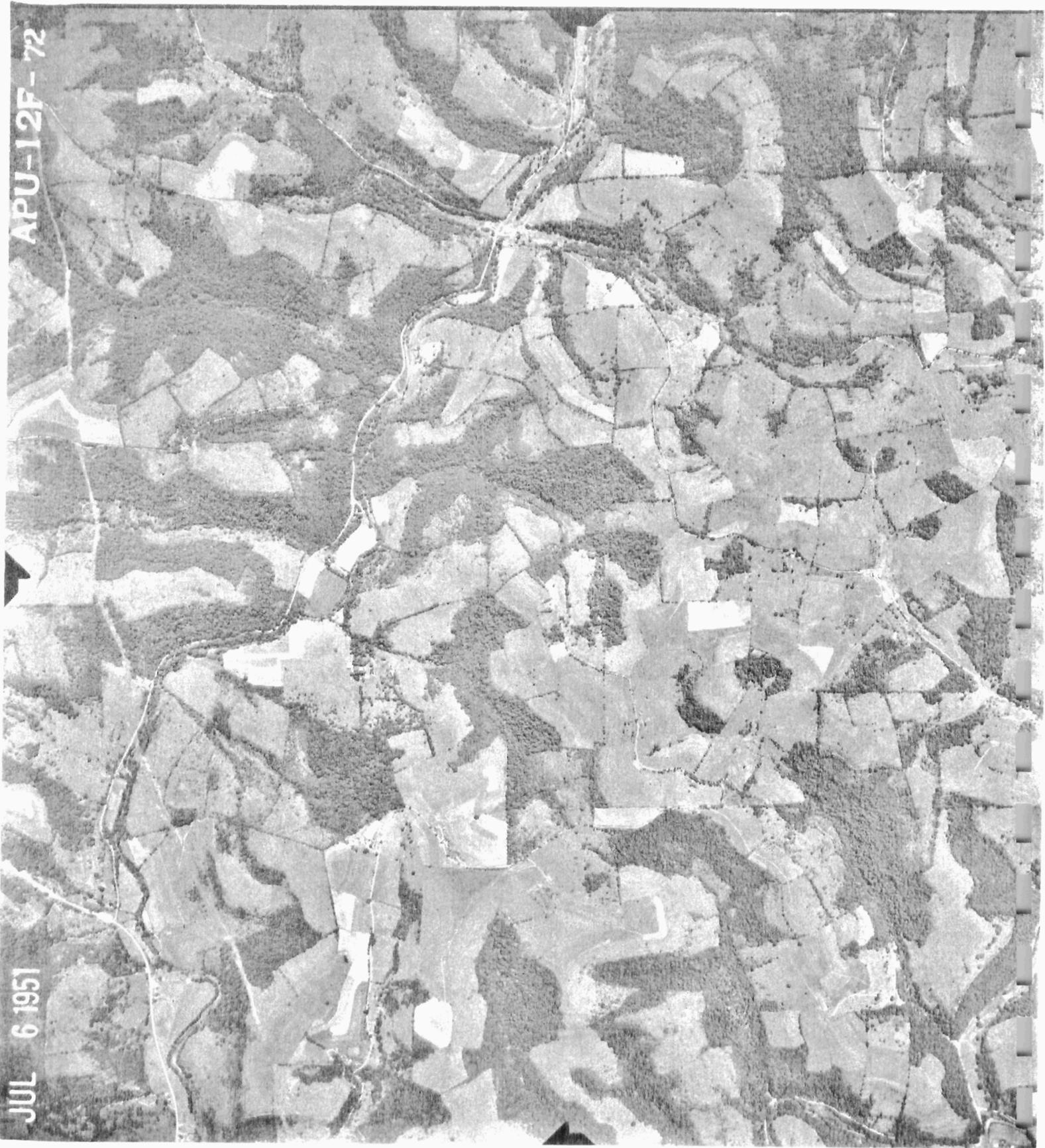
8-18-58

APD-LV-54



JUL 6 1951

APU-12F-72



ATTACHMENT D

**Site Inspection (March 1990) and Ten
Year Status (October 2001) Reports
(from PADEP files)**

R-585-1-0-15

SITE INSPECTION USING AVAILABLE INFORMATION
OF
WIND RIDGE COMPRESSOR STATION
PREPARED UNDER

TDD NO. F3-8910-13
EPA NO. PA-2166
CONTRACT NO. 68-01-7346

FOR THE
HAZARDOUS SITE CONTROL DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

MARCH 13, 1990

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY



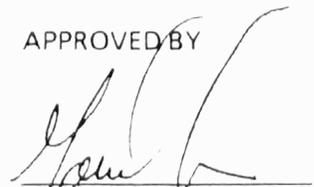
LINDA CIARLETTA
PROJECT MANAGER

REVIEWED BY



PAUL PERSING
SECTION SUPERVISOR

APPROVED BY



GARTH GLENN
REGIONAL MANAGER,
#IT 3

1.0 INTRODUCTION

1.1 Authorization

NUS Corporation performed this work under Environmental Protection Agency Contract No. 68-01-7346. This specific report was prepared in accordance with Technical Directive Document No. F3-8910-13 for the Wind Ridge Compressor Station, located in Wind Ridge, Greene County, Pennsylvania.

1.2 Scope of Work

NUS FIT 3 was tasked to conduct a site inspection using available information of the subject site.

1.3 Summary

The Wind Ridge Compressor Station is located southeast of the town of Wind Ridge, approximately 2.5 miles south of State Route 21. The site occupies a 40-acre area; the area of concern is approximately 2 acres in size. The major environmental concerns at the site are groundwater and surface water contamination.

Texas Eastern Gas Pipeline Company owns and operates the station, which is part of a gas pipeline transmission system consisting of approximately 10,000 miles of pipeline and 89 compressor stations located in 14 states. According to Texas Eastern, the Wind Ridge Compressor Station was not in operation from 1957 until 1986. The station was part of the War Emergency Pipeline System before 1957.

The primary function of the Wind Ridge Station is to receive incoming gas from the interstate pipeline and compress it for further transportation along the pipeline. Normal maintenance includes the removal and disposal of pipeline waste liquid and condensates, which accumulate in the pipeline at points where reductions in pressure occur.

In 1958, Turbinol 153, a polychlorinated biphenyl (PCB) lubricating oil, was introduced for use in the compressors throughout the pipeline system. In January 1972, Texas Eastern was notified that PCB lubricants would not be sold after June 1972 because of their persistence in the environment. Texas Eastern immediately began to phase out its use of PCB lubricants and had completely eliminated its use of the oil by 1977. However, a problem remained with the residual concentrations of PCBs in the compressors. In 1981, PCB contamination, due to leakage of the compressor oil into the pipeline, was discovered in the pipeline liquids. In the past, the pipeline liquids and condensates were placed into unlined earthen pits located on the sites. The results of sampling conducted by Roy F. Weston, Incorporated indicated PCB contamination in groundwater, soils, and sediments in the vicinity of the pits at many of the compressor stations.

In February 1987, EPA informed Texas Eastern that testing at the compressor stations must address RCRA and Superfund contaminants and their cleanup. In April 1987, Texas Eastern entered into a Consent Order and Agreement with the Pennsylvania Department of Environmental Resources (PA DER). In compliance with this Consent Order, Texas Eastern has been performing an investigation of potential environmental contamination at the Pennsylvania compressor stations. The company submits quarterly reports of groundwater quality data from the Wind Ridge Station to PA DER. Surface soil and sediment sampling at the site has been conducted through January 1989. PCBs have been detected in groundwater monitoring wells (MWs), on-site and off-site surface soil samples, and downstream sediment samples. Two disposal areas, in addition to the two earthen pits, were identified at the site in January 1988. These areas were used for disposal of station maintenance waste such as paper and garbage. Texas Eastern is in the process of conducting an investigation into possible PCB contamination of these identified areas.

Disposal of PCB-contaminated liquids at Wind Ridge is currently handled by storage in an above-ground tank and subsequent removal by a licensed waste hauler. Antifreeze and lubricating oil are also stored on site in above-ground tanks.

Surface drainage from the site is controlled by several drainage ditches, which flow toward Whitethorn Run. Whitethorn Run is used for watering livestock and empties into the North Fork stream, which is used for fishing, boating, and swimming.

The entire population within a 3-mile radius, approximately 1315 people, relies on groundwater for their potable water supply. The nearest domestic well is located less than 0.1 mile from the site.

4.0 WASTE TYPES AND QUANTITIES

The Wind Ridge Compressor Station produces and/or manages the following materials: pipeline liquids contaminated with PCBs, lubricating oil, and antifreeze.⁹

The pipeline liquids originate in the pipeline and are removed before gas compression. The term "pipeline liquids" refers to condensates and distillates present in the pipeline that are drained from the pipeline by means of scrubbers or incoming pig runs. Pipeline liquids also contain lubricating oil that leaked from turbine-driven compressor seals into the pipeline. In 1981, PCB contamination, due to leakage of PCB-based lubricating oil, was discovered in the pipeline liquids. In the past, pipeline liquids and condensates were placed into unlined earthen pits located on the sites. Upon discovery of PCB contamination in these liquids, Texas Eastern gradually instituted the use of diffusers and storage tanks in order to safely remove the contaminated condensates. Currently, at the Wind Ridge Compressor Station, the pipeline liquids are collected in an above-ground 2,200-gallon storage tank and subsequently removed by a licensed waste hauler for disposal at a permitted facility. The specific location of this tank on the site is unknown. There is a dike around the pipeline condensate collection, which is designed to collect the entire contents of this tank and has sufficient freeboard to allow for precipitation.^{6,9,13}

Four waste disposal pits have been identified at the site. Pit no. 01 and pit no. 02 were used primarily for collecting pipeline liquids. Pit no. 01 is 30 by 40 feet by 3 feet deep, with an estimated volume of 57 cubic yards. Pit no. 02 is 15 by 20 feet by 3 feet deep, with an estimated volume of 35 cubic yards. Pit no. 01 was backfilled in December 1981. Pit no. 02 was backfilled in December 1980.^{6,8,43} According to Texas Eastern, pit no. 03 and pit no. 04 were used for the disposal of maintenance waste (demolition-type waste, paper, and luncheon garbage). However, there is an allegation that, at least once, pipeline liquid was disposed in one of these pits. This incident was highlighted because the gasoline truck dumping the material ignited and was destroyed.^{3,16} Both pit nos. 03 and 04 are approximately 60 by 20 feet by 10 feet deep.⁷

Analytical results from soil sampling in 1986 revealed PCB contamination of up to 950 ppm in soil on the Wind Ridge Compressor Station site.¹⁹

The antifreeze is used as freeze protection for the cooling system. It is stored in an above-ground 2,200-gallon tank in the northern portion of the site. The lubricating oil is used as a lubricant in the compressor, engines, and mobile equipment. It is stored in an above-ground tank and a 55-gallon drum. The single drum is located near the switch gear building. There is no dike around the drum. The 2,200-gallon above-ground storage tank is located in the northern section of the site. A single earthen dike surrounds the lubricating oil tank and the antifreeze tank. The dike is designed to contain the entire contents of the largest tank plus sufficient freeboard to allow for precipitation.⁹

Texas Eastern Gas Pipeline Company
Houston, Texas

FINAL

GROUNDWATER ASSESSMENT REPORT
FOR THE
WIND RIDGE (20) SITE, PENNSYLVANIA

March 6, 1991

Revised September 25, 1992

Final August 31, 1993

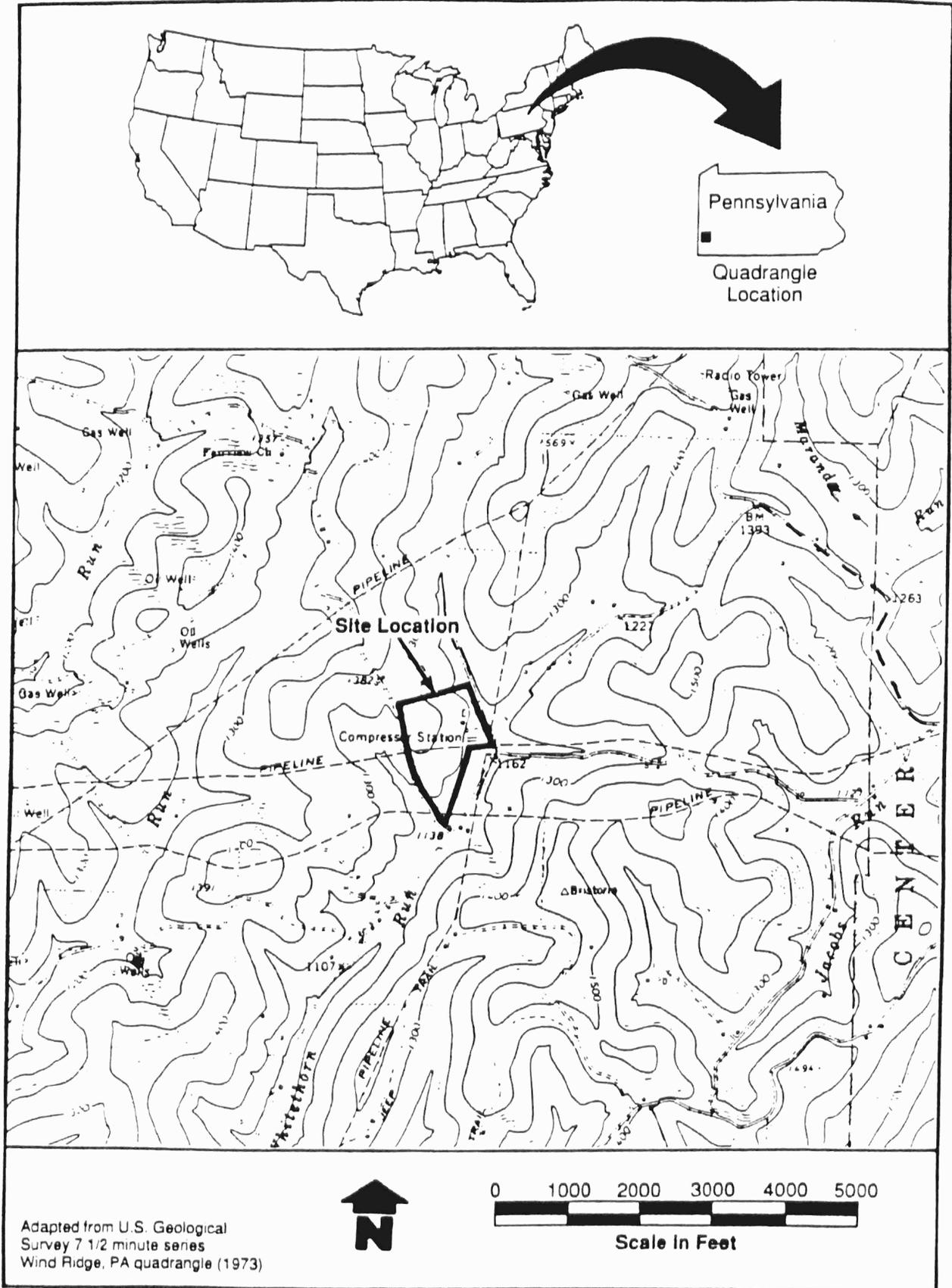


FIGURE 1-2 LOCATION OF THE WIND RIDGE (20) SITE

SECTION 4

SUMMARY AND CONCLUSIONS

Texas Eastern has completed an extensive field program at this Site to implement the recommendations of the GAP (WESTON, 1990). Well modifications, slug testing, and borehole geophysical logging were completed per the recommendations. A review of the water quality data indicated that DNAPL sampling was unnecessary; no oily phase was encountered in sufficient quantities to sample. The recommendation to record monthly static water levels for 6 months has not been fully implemented; however, a review of available water level data indicates that seasonal water level variation is characterized.

This report also addresses GAP deficiencies as identified by the OC. Deficiencies pertaining to missing data, a current reference, and the well construction of monitoring well MW08 have been addressed by the appendices, attachments, and text of this report. The deficiency citing the lack of a recommended strategy to define the horizontal and vertical extent of contamination was addressed in part by the installation of monitoring wells MW10A and MW10B, which define the vertical extent of PCB contamination originating from Pit PA-20-02, and also by the text, which demonstrates that the horizontal extent of the PCB contamination originating from Pit PA-20-02 is currently known.

On the basis of geochemical results of soil and soil borings previously presented (WESTON, 1989) and summarized in Subsection 3.1, it can be concluded:

- Pit PA-20-02 is the source for the PCB contamination intermittently detected in monitoring wells MW03 and MW04.

On the basis of the borehole geophysical logs, slug tests, the geological investigations conducted in the GAP (WESTON, 1990), and a hydrogeologic study conducted in Greene County (Stoner and Others, 1987), it can be concluded:

- The presence of subhorizontal and subvertical fractures increases the hydraulic conductivity of nonargillaceous rock units.

- Groundwater flow within near surface bedrock occurs in discrete water-bearing zones under unconfined conditions.
- The presence of unsaturated bedrock beneath the saturated overburden at monitoring wells MW03, MW04, MW06, MW07, and MW08 and beneath the uppermost water-bearing zone in the bedrock in monitoring well MW10B indicates that no downward groundwater flow occurs in the absence of a vertically extensive open borehole.

On the basis of the groundwater chemistry results and water levels for monitoring wells MW05, MW06, MW07, MW07A, and MW08, it can be concluded:

- Saturated overburden is a possible migration pathway for PCBs from Pit PA-20-01; and this possible pathway is monitored by monitoring well MW07A. Sampling of this monitoring well only indicates the presence of PCBs in the prepurge static conditions.
- The direction of groundwater flow within the saturated overburden is toward Whitethorn Run with a possible southward component.
- The presence of unsaturated bedrock below the saturated overburden downgradient of Pit PA-20-01 indicates downward cross-formational groundwater flow is locally absent.

On the basis of the groundwater chemistry results and water levels for monitoring wells MW02, MW03, MW04, MW05, MW06, MW07, MW08, MW09, MW10A, and MW10B, it can be concluded:

- The migration pathway for PCBs from Pit PA-20-02 is the uppermost bedrock water-bearing zone, which is monitored by MW02, MW03, MW04, MW05, MW06, MW07, MW08, and MW09.
- The horizontal groundwater flow regime within this migration pathway is described by the potentiometric map of the uppermost bedrock water-bearing zone (see Figure 3-2).
- The minimum horizontal rate of PCB movement is approximately 4 ft/yr, and groundwater velocity has been estimated at 1,500 ft/yr for the uppermost bedrock aquifer in the vicinity of monitoring wells MW03, MW04, and MW02.
- Monitoring wells MW03 and MW04, where PCBs have been detected sporadically, define the downgradient horizontal extent of PCB contamination within this migration pathway.

- The vertical extent of PCB contamination is the top of the shale underlying the uppermost bedrock aquifer.
- No vertical PCB migration is associated with groundwater flow because unsaturated bedrock underlies the uppermost bedrock water-bearing zone, as documented by MW10B.

On the basis of the low PCB concentrations (where detected), the absence of BTXE, and the systematic visual inspections of prepurge groundwater samples, it can be concluded:

- Neither DNAPLs or LNAPLs are present at Wind Ridge and further NAPL investigations are not warranted.

On the basis of the results of the Final Phase of the Identified Area Investigation and Characterization Program, it can be concluded that:

- No PCB contamination exists at Trash Area PA-20-03.
- No trash was ever buried at Earth Disturbance/Trash Area PA-20-04.

SECTION 5

RECOMMENDATIONS

On the basis of the conclusions presented in Section 4 and with respect to the GAP requirements defined in Section IV, Appendix A of the Consent Decree, additional activities have been conducted at the Wind Ridge Site. Additionally, Texas Eastern has implemented the activities set forth in the initial GAR based upon EPA's review of that document and notification of additional requirements for approval. Groundwater data received since submission of Revision 1 of the GAR are included in this Final GAR.

Therefore, the groundwater objectives and requirements set forth in Section IV.E.2 of Appendix A of the Consent Decree are fulfilled with the submittal of this Final GAR to the EPA. Additional groundwater assessment activities pursuant to the Consent Decree are not warranted at the Wind Ridge, Pennsylvania Site. However, in accordance with Section VI.C of Appendix A of the Pennsylvania Consent Order and Adjudication, long-term groundwater monitoring will be conducted at the Wind Ridge Site. This monitoring will be conducted in accordance with the Long Term Groundwater Monitoring Plan (LTGMP) submitted to and approved by the Pennsylvania Department of Environmental Resources (PADER).

WIND RIDGE (20)

The Final GAR for the Wind Ridge (20) Site (Site) was approved by EPA on September 28, 1993 and by PADEP on October 21, 1993. Soil remediation at the Site occurred in 1992. Thirteen groundwater monitoring wells were installed at the Site to determine the horizontal and vertical extent of impacted groundwater associated with previous site activities. Of these 13 monitoring wells, five were plugged and abandoned (MW01, MW06, MW07, MW07A and MW08) prior to the initiation of the soils remediation, and two wells (MW05 and MW10A) were plugged and abandoned in 1995. Six wells are currently located at the Site and all are completed in bedrock (MW02, MW03, MW04, MW09, MW10B and MW11). The LTGMP for the Site consists of biennial PCB sampling for monitoring wells MW02, MW10B and MW11 as shown on the attached table.

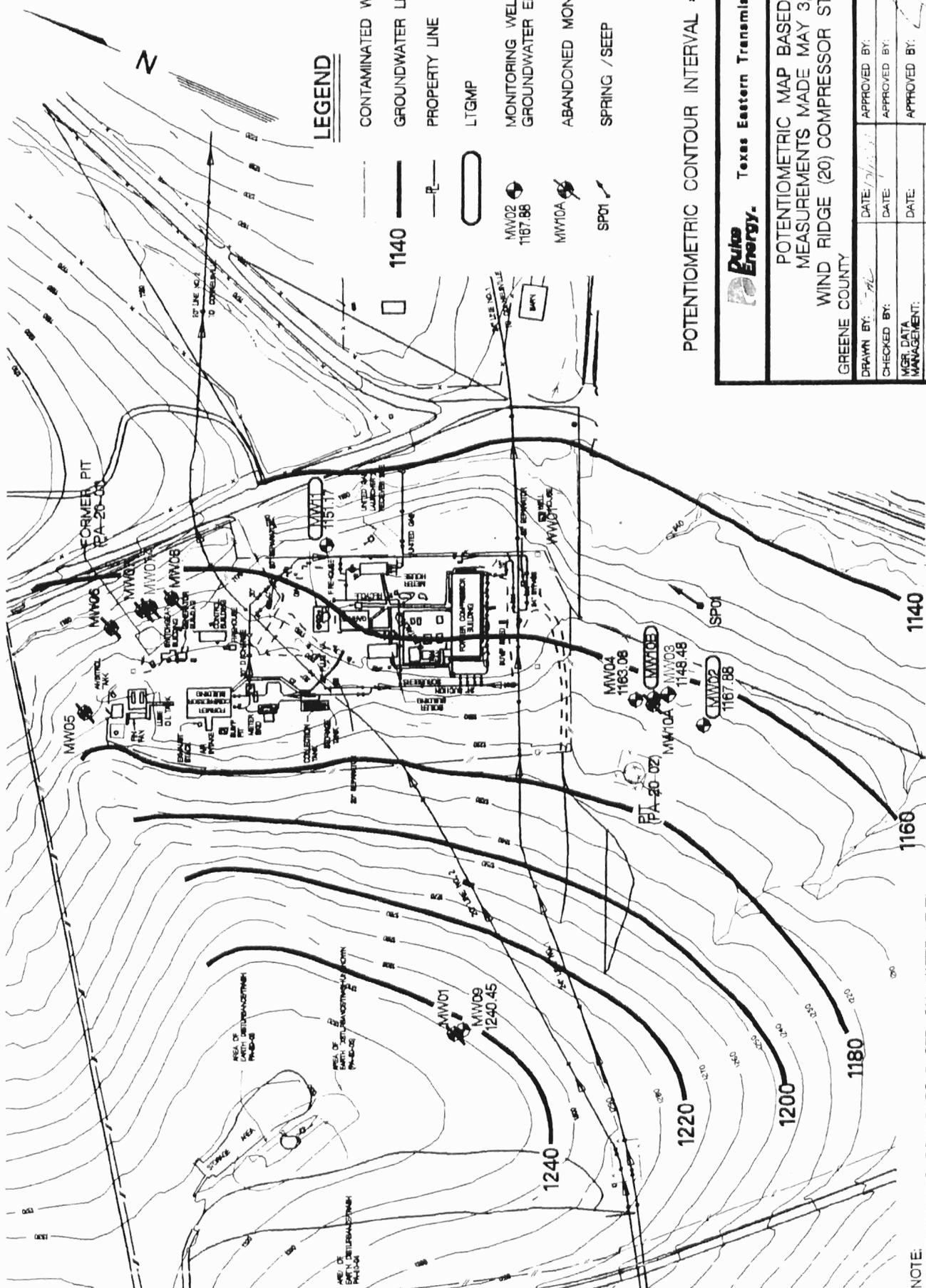
Groundwater at the Site is within saturated overburden and bedrock. The flow direction is generally to the east toward Whitehorn Run under primarily confined conditions as depicted on the attached potentiometric map (based on water levels recorded May 3, 2000).

LTGMP Summary

PCBs are the only constituents of concern identified at the Site. The presence of BTEX compounds was not confirmed in any of the wells. PCBs were detected in monitoring wells MW03 and MW04; however, no confirmed PCB detections were noted at monitoring well MW04 since the August 1989 sampling event. PCB detections at monitoring well MW03 exhibit a stable trend. The source of the PCB detection is attributed to Pit PA-20-01. PCBs have never been detected in monitoring wells MW02, MW10A or at vertical extent well MW01B. In addition, PCBs have never been detected in the downgradient spring SP01.

LTGMP Modification

Based on the long-term monitoring conducted at the Site, the PCB plume associated with Pit PA-20-01 has stabilized and concentrations within the plume exhibit a stable trend. Therefore, Texas Eastern is requesting termination of the LTGMP at the Site, including plugging and abandonment of the remaining monitoring wells. Specific details of the monitoring well abandonment procedures are presented in Appendix A.



LEGEND

- CONTAMINATED WELLS
- GROUNDWATER LEVEL CONTOUR
- PROPERTY LINE
- LTGMP
- MONITORING WELL AND GROUNDWATER ELEVATION
- ABANDONED MONITORING WELL
- SP01 / SEEP

POTENTIOMETRIC CONTOUR INTERVAL = 20 FEET

Duke Energy. Texas Eastern Transmission, LP

POTENTIOMETRIC MAP BASED ON MEASUREMENTS MADE MAY 3, 2000

WIND RIDGE (20) COMPRESSOR STATION

GREENE COUNTY PENNSYLVANIA

DRAWN BY: TML	DATE: 10/13/01	APPROVED BY:	DATE:
CHECKED BY:	DATE:	APPROVED BY:	DATE:
MGR DATA MANAGEMENT:	DATE:	APPROVED BY:	DATE:
PROJECT MANAGER:	DATE:	SUPERVISOR / MANAGER:	DATE:

SCALE: 1" = 200'

SHEET 1 OF 1

NO.	DATE	ORIGINAL ISSUE	REVISION	TMR	BY
0	06-27-01				



NOTE: POTENTIOMETRIC CONTOURS BASED ON WATER LEVEL MEASUREMENTS MADE MAY 3, 2000 AND FROM HISTORICAL WATER LEVELS FROM ABANDONED MONITORING WELLS.

20PA01

ENV-GW

Texas Eastern Transmission Corporation
TABLE 1
Summary of Well Completion Information

Wind Ridge Site 20, PA

Monitoring Well Number	Date Well Completed	Ground Surface Elev. (ft-MSL)	Original Drilled Depth (ft) ...	Over-Burden (ft) ...	Screen or Open Borehole Dia. (in)		Open Interval (ft) ...		Subsurface Water Inflow Depth(s) (ft) ...	Total Well Yield* (gpm)	Remarks
					From	To	From	To			
MW01	15-MAY-1987	1311.66	369.00	33.00	6.00	6.00	38.50	369.00	149.00	3.00	Well plugged and abandoned after collapse of borehole on 01-MAY-91 due to remediation. Replaced by MW09.
MW02	19-MAY-1987	1195.80	90.00	13.00	6.00	6.00	19.00	62.00	64.00	0.60	Well modified from 90 feet to 62 feet on 07-AUG-90.
MW03	27-MAY-1987	1190.30	112.30	8.50	6.00	6.00	17.00	52.00	98.00	0.20	Core hole drilled from 18 to 112 feet. Well modified from 112 feet to 52 feet on 07-AUG-90.
MW04	15-MAY-1987	1194.20	149.00	13.50	6.00	6.00	18.50	33.00	129.00	0.20	Modified 01-DEC-88 to a total depth of 115 ft. Well re-modified on 07-AUG-90 to a total depth of 33 feet.
MW05	30-MAY-1987	1200.40	100.00	24.00	6.00	6.00	29.00	100.00	84.00	4.50	Well abandoned on 26-JUL-95 by grouting in place.
MW06	02-JUN-1987	1171.00	52.00	22.50	6.00	6.00	27.50	52.00	41.00	30.00	Casing was removed and the well grouted with bentonite and abandoned during the Remediation Program in June 1991.
									89.00	49.00	

Texas Eastern Transmission Corporation
TABLE 1
Summary of Well Completion Information

Wind Ridge Site 20, PA

Monitoring Well Number	Date Well Completed	Ground Surface Elev. (ft.-MSL)	Original Drilled Depth (ft) ...	Over-Burden (ft) ...	Screen or Open Borehole Dia. (in)	Open Interval (ft) ...		Subsurface Water Inflow* Depth(s) (ft) ...	Total Well Yield* (gpm)	Remarks
						From	To			
MW07	03-JUN-1987	1169.80	55.00	24.50	6.00	29.50	55.00	46.00	30.00	Core hole drilled from 30 to 55 feet. Casing was removed and the well grouted with bentonite and abandoned during the Remediation Program in June 1991.
MW07A	30-NOV-1988	1169.30	26.50		4.00	7.90	25.60	17.00 - 19.00		Bedrock not encountered while installation. Sloughing in borehole from 26.5 to 25.6 ft. Water entry overnight while drilling; rate unmeasured. Casing was removed and well grouted with bentonite and abandoned during Remediation in June 1991.
MW08	05-JUN-1987	1168.50	50.00	25.00	6.00	28.00	50.00	41.00	30.00	Casing was removed and the well grouted with bentonite and abandoned during the Remediation Program in June 1991.
								44.00		
								49.00		
MW09	02-MAY-1989	1310.30	104.00	17.00	6.00	43.00	104.00	29.00 - 30.00	0.50	Well drilled to replace upgradient, background well (MW01) after it was plugged and abandoned.
MW10A	25-JUN-1990	1195.50	11.50	11.50	2.00	4.00	11.50			Well was dry at time of installation. Well abandoned on 26-JUL-95 by drilling out screen and riser and grouting.
MW10B	08-AUG-1990	1194.00	90.00	11.00	6.00	60.40	89.40	23.00	3.00	No pump installed because well appears to be producing methane gas.
								45.50		

Texas Eastern Transmission Corporation
TABLE 1
Summary of Well Completion Information

Wind Ridge Site 20, PA

Monitoring Well Number	Date Well Completed	Ground Surface Elev. (ft.-MSL)	Original Drilled Depth (ft) ***	Over-Burden (ft) ***	Screen or Open Borehole Dia. (in)	Open Interval (ft) ***		Subsurface Water Inflow Depth(s) (ft) ***	Total Well Yield (gpm)	Remarks
						From	To			
MW10B	08-AUG-1990	1194.00	90.00	11.00	6.00	60.40	89.40	65.00	3.00	No pump installed because well appears to be producing methane gas.
								85.00		
MW11	** 19-AUG-1993	1174.64	40.00	36.50	4.00	17.00	35.00	36.00	1.00	

* = Estimated at time of drilling

** = Screened Well.

*** = Depths are in feet below land surface

Texas Eastern Transmission Corporation

Table 2

Summary of Groundwater Level Measurements

Wind Ridge Site 20, PA

Monitoring Well Number	Land Surface Elevation *	Top of Casing Elevation *	Measurement Date	Measured Depth to Water **	Water Level Elevation *			
MW01	1,311.66	1,313.11	04-JUN-1987	80.75	1,232.36			
			14-JUL-1987	86.00	1,227.11			
			25-SEP-1987	80.33	1,232.78			
			18-NOV-1987	82.65	1,230.46			
			21-JAN-1988	81.30	1,231.81			
			08-MAR-1988	79.23	1,233.88			
			03-MAY-1988	80.68	1,232.43			
			26-JUL-1988	80.96	1,232.15			
			26-OCT-1988	80.95	1,232.16			
			15-AUG-1991	0.00	1,313.11			
			MW02	1,195.80	1,197.63	04-JUN-1987	60.10	1,137.53
						14-JUL-1987	59.67	1,137.96
						25-SEP-1987	59.38	1,138.25
18-NOV-1987	58.84	1,138.79						
21-JAN-1988	56.20	1,141.43						
08-MAR-1988	55.79	1,141.84						
03-MAY-1988	58.44	1,139.19						
26-JUL-1988	59.82	1,137.81						
26-OCT-1988	59.39	1,138.24						
02-MAY-1989	56.19	1,141.44						
09-AUG-1989	57.99	1,139.64						
19-OCT-1989	57.52	1,140.11						
11-MAY-1990	58.10	1,139.53						
14-MAY-1990	58.35	1,139.28						
23-JUL-1990	57.70	1,139.93						
11-SEP-1990	49.21	1,148.42						
13-NOV-1990	49.45	1,148.18						
15-AUG-1991	50.54	1,147.09						
24-SEP-1991	54.36	1,143.27						
31-OCT-1991	52.68	1,144.95						
15-NOV-1991	56.06	1,141.57						
03-DEC-1991	49.11	1,148.52						
27-MAY-1992	50.30	1,147.33						
06-OCT-1992	50.25	1,147.38						
03-AUG-1993	52.91	1,144.72						
08-JUN-1994	50.40	1,147.23						
20-JUL-1995	51.00	1,146.63						
17-JUL-1996	50.41	1,147.22						
07-AUG-1996	49.95	1,147.68						
15-JUL-1998	49.96	1,147.67						
03-MAY-2000	29.75	1,167.88						
MW03	1,190.30	1,192.35	04-JUN-1987	65.00	1,127.35			
			14-JUL-1987	56.33	1,136.02			
			25-SEP-1987	51.38	1,140.97			

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Table 2

Summary of Groundwater Level Measurements

Wind Ridge Site 20, PA

Monitoring Well Number	Land Surface Elevation *	Top of Casing Elevation *	Measurement Date	Measured Depth to Water **	Water Level Elevation *
MW03	1,190.30	1,192.35	18-NOV-1987	54.49	1,137.86
			21-JAN-1988	46.23	1,146.12
			08-MAR-1988	44.99	1,147.36
			03-MAY-1988	54.43	1,137.92
			26-JUL-1988	55.96	1,136.39
			26-OCT-1988	55.32	1,137.03
			02-MAY-1989	46.39	1,145.96
			10-AUG-1989	54.20	1,138.15
			19-OCT-1989	45.00	1,147.35
			11-MAY-1990	55.46	1,136.89
			14-MAY-1990	55.63	1,136.72
			23-JUL-1990	54.10	1,138.25
			11-SEP-1990	37.42	1,154.93
			13-NOV-1990	39.65	1,152.70
			08-MAY-1991	42.62	1,149.73
			15-AUG-1991	44.67	1,147.68
			24-SEP-1991	44.74	1,147.61
			31-OCT-1991	45.16	1,147.19
			15-NOV-1991	45.05	1,147.30
			03-DEC-1991	38.43	1,153.92
			27-MAY-1992	44.87	1,147.48
			06-OCT-1992	44.90	1,147.45
			03-AUG-1993	41.71	1,150.64
08-JUN-1994	44.72	1,147.63			
20-JUL-1995	45.10	1,147.25			
17-JUL-1996	44.93	1,147.42			
07-AUG-1996	44.63	1,147.72			
15-JUL-1998	44.60	1,147.75			
03-MAY-2000	43.87	1,148.48			
MW04	1,194.20	1,196.40	04-JUN-1987	46.50	1,149.90
			14-JUL-1987	46.42	1,149.98
			25-SEP-1987	45.54	1,150.86
			18-NOV-1987	46.39	1,150.01
			21-JAN-1988	43.55	1,152.85
			08-MAR-1988	45.63	1,150.77
			03-MAY-1988	47.23	1,149.17
			26-JUL-1988	46.52	1,149.88
			26-OCT-1988	46.52	1,149.88
			02-MAY-1989	28.35	1,168.05
			10-AUG-1989	28.75	1,167.65
			19-OCT-1989	28.68	1,167.72
			11-MAY-1990	29.03	1,167.37
			14-MAY-1990	29.00	1,167.40
			23-JUL-1990	29.15	1,167.25
11-SEP-1990	29.58	1,166.82			

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Table 2

Summary of Groundwater Level Measurements

Wind Ridge Site 20, PA

Monitoring Well Number	Land Surface Elevation *	Top of Casing Elevation *	Measurement Date	Measured Depth to Water **	Water Level Elevation *
MW04	1,194.20	1,196.40	13-NOV-1990	30.45	1,165.95
			15-AUG-1991	29.90	1,166.50
			24-SEP-1991	30.20	1,166.20
			31-OCT-1991	30.20	1,166.20
			15-NOV-1991	30.19	1,166.21
			03-DEC-1991	22.96	1,173.44
			27-MAY-1992	30.47	1,165.93
			06-OCT-1992	30.52	1,165.88
			03-AUG-1993	30.00	1,166.40
			08-JUN-1994	30.39	1,166.01
			20-JUL-1995	30.50	1,165.90
			17-JUL-1996	30.43	1,165.97
			07-AUG-1996	30.26	1,166.14
			15-JUL-1998	29.96	1,166.44
			03-MAY-2000	33.32	1,163.08
MW05	1,200.40	1,202.08	17-JUN-1987	63.00	1,139.08
			14-JUL-1987	62.96	1,139.12
			25-AUG-1987	59.25	1,142.83
			25-SEP-1987	59.21	1,142.87
			18-NOV-1987	60.29	1,141.79
			21-JAN-1988	58.00	1,144.08
			08-MAR-1988	55.59	1,146.49
			03-MAY-1988	59.05	1,143.03
			26-JUL-1988	61.78	1,140.30
			26-OCT-1988	61.95	1,140.13
			02-MAY-1989	56.75	1,145.33
			10-AUG-1989	58.08	1,144.00
			19-OCT-1989	54.56	1,147.52
			01-MAY-1990	57.79	1,144.29
			14-MAY-1990	58.28	1,143.80
			23-JUL-1990	56.10	1,145.98
			11-SEP-1990	53.57	1,148.51
			13-NOV-1990	54.82	1,147.26
			15-AUG-1991	58.32	1,143.76
			24-SEP-1991	61.43	1,140.65
			31-OCT-1991	61.70	1,140.38
15-NOV-1991	61.88	1,140.20			
03-DEC-1991	52.16	1,149.92			
27-MAY-1992	55.53	1,146.55			
06-OCT-1992	56.19	1,145.89			
03-AUG-1993	52.00	1,150.08			
08-JUN-1994	56.51	1,145.57			
MW06	1,171.00	1,172.85	17-JUN-1987	37.30	1,135.55
			14-JUL-1987	36.46	1,136.39

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Table 2

Summary of Groundwater Level Measurements

Wind Ridge Site 20, PA

Monitoring Well Number	Land Surface Elevation *	Top of Casing Elevation *	Measurement Date	Measured Depth to Water **	Water Level Elevation *
MW06	1,171.00	1,172.85	25-AUG-1987	36.90	1,135.95
			25-SEP-1987	36.75	1,136.10
			18-NOV-1987	36.20	1,136.65
			21-JAN-1988	34.10	1,138.75
			08-MAR-1988	32.67	1,140.18
			03-MAY-1988	34.86	1,137.99
			26-JUL-1988	36.84	1,136.01
			26-OCT-1988	31.39	1,141.46
			02-MAY-1989	33.35	1,139.50
			10-AUG-1989	34.69	1,138.16
			19-OCT-1989	35.82	1,137.03
			01-MAY-1990	34.44	1,138.41
			14-MAY-1990	34.15	1,138.70
			23-JUL-1990	33.13	1,139.72
			11-SEP-1990	33.52	1,139.33
13-NOV-1990	33.25	1,139.60			
MW07	1,169.80	1,171.41	17-JUN-1987	35.90	1,135.51
			14-JUL-1987	35.12	1,136.29
			25-AUG-1987	35.50	1,135.91
			25-SEP-1987	35.42	1,135.99
			18-NOV-1987	34.79	1,136.62
			21-JAN-1988	32.80	1,138.61
			08-MAR-1988	31.25	1,140.16
			03-MAY-1988	33.46	1,137.95
			26-JUL-1988	35.43	1,135.98
			26-OCT-1988	35.00	1,136.41
			02-MAY-1989	31.83	1,139.58
			10-AUG-1989	33.37	1,138.04
			19-OCT-1989	34.40	1,137.01
			01-MAY-1990	33.02	1,138.39
			14-MAY-1990	32.72	1,138.69
23-JUL-1990	37.71	1,133.70			
11-SEP-1990	32.09	1,139.32			
13-NOV-1990	31.80	1,139.61			
MW07A	1,169.30	1,170.24	02-MAY-1989	14.75	1,155.49
			10-AUG-1989	15.79	1,154.45
			19-OCT-1989	13.60	1,156.64
			01-MAY-1990	14.74	1,155.50
			14-MAY-1990	14.32	1,155.92
			23-JUL-1990	14.35	1,155.89
			11-SEP-1990	14.60	1,155.64
MW08	1,168.50	1,170.23	13-NOV-1990	12.68	1,157.56
			17-JUN-1987	34.70	1,135.53

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Table 2

Summary of Groundwater Level Measurements

Wind Ridge Site 20, PA

Monitoring Well Number	Land Surface Elevation *	Top of Casing Elevation *	Measurement Date	Measured Depth to Water **	Water Level Elevation *
MW08	1,168.50	1,170.23	14-JUL-1987	33.83	1,136.40
			25-AUG-1987	34.35	1,135.88
			25-SEP-1987	34.29	1,135.94
			18-NOV-1987	33.52	1,136.71
			21-JAN-1988	31.90	1,138.33
			08-MAR-1988	30.06	1,140.17
			03-MAY-1988	32.29	1,137.94
			26-JUL-1988	34.33	1,135.90
			26-OCT-1988	33.78	1,136.45
			02-MAY-1989	30.67	1,139.56
			10-AUG-1989	32.08	1,138.15
			19-OCT-1989	35.21	1,135.02
			01-MAY-1990	31.80	1,138.43
			14-MAY-1990	31.51	1,138.72
			23-JUL-1990	30.52	1,139.71
			11-SEP-1990	30.88	1,139.35
			13-NOV-1990	30.62	1,139.61
MW09	1,310.30	1,311.77	03-MAY-1989	69.96	1,241.81
			09-AUG-1989	82.81	1,228.96
			19-OCT-1989	82.38	1,229.39
			11-MAY-1990	67.03	1,244.74
			14-MAY-1990	68.91	1,242.86
			23-JUL-1990	79.09	1,232.68
			11-SEP-1990	66.05	1,245.72
			13-NOV-1990	68.55	1,243.22
			15-AUG-1991	82.80	1,228.97
			24-SEP-1991	84.80	1,226.97
			31-OCT-1991	84.77	1,227.00
			15-NOV-1991	84.91	1,226.86
			03-DEC-1991	69.57	1,242.20
			27-MAY-1992	80.77	1,231.00
			06-OCT-1992	84.81	1,226.96
			03-AUG-1993	75.10	1,236.67
			08-JUN-1994	84.26	1,227.51
17-JUL-1996	76.53	1,235.24			
15-JUL-1998	70.96	1,240.81			
03-MAY-2000	71.32	1,240.45			
MW10A	1,195.50	1,197.59	11-SEP-1990	8.60	1,188.99
			13-NOV-1990	9.12	1,188.47
			15-AUG-1991	11.00	1,186.59
			24-SEP-1991	11.27	1,186.32
			31-OCT-1991	12.34	1,185.25
			15-NOV-1991	11.57	1,186.02
			03-DEC-1991	10.07	1,187.52

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 Table 3
 Summary of Groundwater Analyses
 Wind Ridge Site 20, PA

Groundwater Location / Sampling Date	Sample Number	PCB's									BTXE			
		1016	1221	1232	1242	1248	1254	1260	Benzene	Toluene	Total Xylenes	Ethylbenzene		
		Quantitation Limits in micrograms per liter (µg/l) ***									Quantitation Limits in micrograms per liter (µg/l)			
MW01		0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	5.0	5.0	5.0	5.0
05-Jun-1987	A01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	A03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	A04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	A05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17-Jun-1987	A03	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	A04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
26-Aug-1987	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B04	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
18-Dec-1987	W01	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
	X01	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
	X03	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
	Y01	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
	Z01	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
21-Jan-1988	C01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	C03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	C04	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
26-Oct-1988	D03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	D09	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
MW02														
05-Jun-1987	A01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Aug-1987	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21-Jan-1988	C01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04-May-1988	D01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27-Jul-1988	E01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27-Oct-1988	F01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
02-May-1989	G01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
10-Aug-1989	H01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
24-Jul-1990	I01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
16-Aug-1991	J01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
24-Sep-1991	K01	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	K03	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR

Table 3

Summary of Groundwater Analyses
Wind Ridge Site 20, PA

Groundwater Location / Sampling Date	Sample Number	PCB's										BTX			
		1016	1221	1232	1242	1248	1254	1260	Benzene	Toluene	Total Xylenes	Ethylbenzene			
		Quantitation Limits in micrograms per liter (µg/l) ***										Quantitation Limits in micrograms per liter (µg/l)			
MW02		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	5.0	5.0	5.0	5.0
01-Nov-1991	L01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	L02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	L03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	L20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
13-Nov-1991	M01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
04-Dec-1991	N01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
27-May-1992	O01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
06-Oct-1992	P01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
03-Aug-1993	Q01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
08-Jun-1994	R01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
20-Jul-1995	S01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
07-Aug-1996	T01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
15-Jul-1998	U01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
03-May-2000	V01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
MW03															
05-Jun-1987	A01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	A02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-Aug-1987	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
21-Jan-1988	C01	ND	ND	ND	ND	ND	ND	ND	0.79	ND	ND	ND	ND	ND	ND
03-May-1988	D01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	D03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	D04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	D09	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	NR	NR	NR	NR
27-Jul-1988	E01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27-Oct-1988	F01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	F02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	F20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
02-May-1989	G01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
10-Aug-1989	H01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	H02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	H20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
19-Oct-1989	I01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
16-May-1990	J01	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	NR	NR	NR	NR

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 Table 3
 Summary of Groundwater Analyses
 Wind Ridge Site 20, PA

Groundwater Location / Sampling Date	PCB's										BTX's		
	1016	1221	1232	1242	1248	1254	1260	Benzene	Toluene	Total Xylenes	Ethylbenzene		
	Quantitation Limits in micrograms per liter (µg/l) ***										Quantitation Limits in micrograms per liter (µg/l)		
MW03													
24-Jul-1990	ND	ND	ND	0.85	ND	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	0.87	ND	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	0.78	ND	ND	ND	NR	NR	NR	NR	NR	
08-May-1991	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	
	ND	ND	ND	ND	1.6	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.6	ND	ND	NR	NR	NR	NR	NR	
16-Aug-1991	ND	ND	ND	ND	2.4	ND	ND	NR	NR	NR	NR	NR	
24-Sep-1991	ND	ND	ND	ND	1.6	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.5	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.4	ND	ND	NR	NR	NR	NR	NR	
01-Nov-1991	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
13-Nov-1991	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
04-Dec-1991	ND	ND	ND	ND	0.96	ND	ND	NR	NR	NR	NR	NR	
27-May-1992	ND	ND	ND	ND	1	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.2	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.2	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.6	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.5	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.6	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	0.97	ND	ND	NR	NR	NR	NR	NR	
03-Aug-1993	ND	ND	ND	ND	1.1	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1	ND	ND	NR	NR	NR	NR	NR	
	ND	ND	ND	ND	1.3	ND	ND	NR	NR	NR	NR	NR	
08-Jun-1994	ND	ND	ND	ND	1.5	ND	ND	NR	NR	NR	NR	NR	
20-Jul-1995	ND	ND	ND	ND	0.67	ND	ND	NR	NR	NR	NR	NR	
07-Aug-1996	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	
MW04													
05-Jun-1987	ND	ND	ND	ND	..	ND	ND	ND	ND	ND	ND	ND	
26-Aug-1987	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	
	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	
18-Dec-1987	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

Table 3
 Summary of Groundwater Analyses
 Wind Ridge Site 20, PA

Groundwater Location / Sampling Date	Sample Number	PCB's						BTXE						
		1016	1221	1232	1242	1248	1254	1260	Benzene	Toluene	Total Xylenes	Ethylbenzene		
		Quantitation Limits in micrograms per liter (µg/l) ***						Quantitation Limits in micrograms per liter (µg/l)						
MW04		0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	5.0	5.0	5.0	5.0
01-Jan-1988	C01	ND	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND
	C02	ND	ND	ND	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND
04-May-1988	D09	ND	ND	ND	ND	3.8	ND	ND	ND	ND	NR	NR	NR	NR
05-May-1988	D01	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND
	D02	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
	D04	NR	NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR
	D20	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND	ND	ND	ND
07-Jul-1988	E01	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
07-Oct-1988	F01	ND	ND	ND	ND	0.64	ND	ND	ND	ND	NR	NR	NR	NR
04-May-1989	G01	ND	ND	ND	ND	2.7	ND	ND	ND	ND	NR	NR	NR	NR
	G02	ND	ND	ND	ND	2.5	ND	ND	ND	ND	NR	NR	NR	NR
	G03	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
	G10	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
	G20	ND	ND	ND	ND	2.5	ND	ND	ND	ND	NR	NR	NR	NR
10-Aug-1989	H01	ND	ND	ND	ND	1.3	ND	ND	ND	ND	NR	NR	NR	NR
19-Oct-1989	I01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
	I02	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
	I20	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
16-May-1990	J01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
	J02	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
	J20	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
24-Jul-1990	K01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
16-Aug-1991	L01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
24-Sep-1991	M01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
01-Nov-1991	N01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
13-Nov-1991	O01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
14-Dec-1991	P01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
27-May-1992	Q01	ND	ND	ND	ND	1.6	ND	ND	ND	ND	NR	NR	NR	NR
06-Oct-1992	R01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
03-Aug-1993	S01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
08-Jun-1994	T01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
20-Jul-1995	U01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR
07-Aug-1996	V01	ND	ND	ND	ND		ND	ND	ND	ND	NR	NR	NR	NR

Texas Eastern Transmission Corporation
Table 3
Summary of Groundwater Analyses
Wind Ridge Site 20, PA

Groundwater Location / Sampling Date	Sample Number	PCB's								BTXE			
		1016	1221	1232	1242	1248	1254	1260	Benzene	Toluene	Total Xylenes	Ethylbenzene	
		Quantitation Limits in micrograms per liter (µg/l) ***								Quantitation Limits in micrograms per liter (µg/l)			
MW08		0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	5.0	5.0	5.0	5.0
27-Oct-1988	F01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
02-May-1989	G01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
11-Aug-1989	H01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
24-Jul-1990	I01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
MW09													
11-Aug-1989	A01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	A03	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
26-Oct-1989	B01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B02	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B03	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B20	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
14-May-1990	C03	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
16-May-1990	C01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
24-Jul-1990	D01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	D03	ND	ND	ND	1.4	ND	ND	ND	ND	NR	NR	NR	NR
16-Aug-1991	E01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	E02	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	E03	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	E20	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
24-Sep-1991	F01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
01-Nov-1991	G01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
13-Nov-1991	H01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
04-Dec-1991	I01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
22-Jun-1992	J01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
MW10A													
25-Jul-1990	A01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
31-Jul-1990	A01	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
	A02	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
	A04	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
14-Nov-1990	B01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
	B03	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
24-Sep-1991	C01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
04-Dec-1991	D01	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR

Table 3
 Summary of Groundwater Analyses
 Wind Ridge Site 20, PA

Groundwater Location / Sampling Date	Sample Number	PCB's										BTX's			
		1016	1221	1232	1242	1248	1254	1260	Benzene	Toluene	Total Xylenes	Ethylbenzene			
		Quantitation Limits in micrograms per liter (µg/l) ***										Quantitation Limits in micrograms per liter (µg/l)			
MW10B															
13-Sep-1990	A01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14-Nov-1990	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16-Aug-1991	C01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24-Sep-1991	D01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01-Nov-1991	F01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13-Nov-1991	G01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	G02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	G03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	G20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04-Dec-1991	G01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27-May-1992	H01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06-Oct-1992	I01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03-Aug-1993	J01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08-Jun-1994	K01	+	ND	ND	ND	ND	ND	ND	ND						
20-Jul-1995	L01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07-Aug-1996	M01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15-Jul-1998	N01	+	ND	ND	ND	ND	ND	ND	ND						
03-May-2000	O01	+	ND	ND	ND	ND	ND	ND	ND						
MW11															
26-Aug-1993	A01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	A02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	A03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	A05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	A20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11-Oct-1993	B01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13-Jan-1994	C01	+	ND	ND	ND	ND	ND	ND	ND						
	C02	+	ND	ND	ND	ND	ND	ND	ND						
	C03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Texas Eastern Transmission Corporation

Table 2

Summary of Groundwater Level Measurements

Wind Ridge Site 20, PA

Monitoring Well Number	Land Surface Elevation *	Top of Casing Elevation *	Measurement Date	Measured Depth to Water **	Water Level Elevation *
MW10A	1,195.50	1,197.59	27-MAY-1992	10.21	1,187.38
			06-OCT-1992	10.45	1,187.14
			03-AUG-1993	11.31	1,186.28
			08-JUN-1994	10.63	1,186.96
			20-JUL-1995	11.90	1,185.69
MW10B	1,194.00	1,196.89	11-SEP-1990	87.21	1,109.68
			13-NOV-1990	82.45	1,114.44
			15-AUG-1991	83.66	1,113.23
			24-SEP-1991	85.10	1,111.79
			31-OCT-1991	84.95	1,111.94
			15-NOV-1991	85.29	1,111.60
			03-DEC-1991	84.18	1,112.71
			27-MAY-1992	83.35	1,113.54
			06-OCT-1992	84.03	1,112.86
			03-AUG-1993	84.18	1,112.71
			08-JUN-1994	83.42	1,113.47
			20-JUL-1995	84.50	1,112.39
			17-JUL-1996	84.53	1,112.36
			07-AUG-1996	83.91	1,112.98
			15-JUL-1998	84.00	1,112.89
MW11	1,174.64	1,177.21	03-MAY-2000	86.89	1,110.00
			26-AUG-1993	26.21	1,151.00
			01-SEP-1993	26.34	1,150.87
			08-SEP-1993	27.35	1,149.86
			15-SEP-1993	26.49	1,150.72
			11-OCT-1993	26.25	1,150.96
			13-JAN-1994	25.70	1,151.51
			05-APR-1994	25.75	1,151.46
			08-JUN-1994	26.06	1,151.15
			20-JUL-1995	26.90	1,150.31
			17-JUL-1996	25.96	1,151.25
			07-AUG-1996	26.32	1,150.89
			15-JUL-1998	25.49	1,151.72
			03-MAY-2000	26.04	1,151.17

* = Feet above mean sea level. ** = Feet below Top of Casing.

ATTACHMENT E

Field Logbook



JOB BOOK

FROM BEN MEADOWS COMPANY

PROJECT NAME Ryerson Dam Surface
Soil Sampling

PROJECT NUMBER _____

CREW M. Maddigan / N. Capp

DATE 1/17/07 BOOK # _____ OF _____

WEATHER Sunny / Mid-20s

FIELD BOOK
16 PAGE
8 LEAVES
50% RAG

CURVE FORMULAS

$$T = R \tan \frac{1}{2} I$$

$$T = \frac{50 \tan \frac{1}{2} I}{\sin \frac{1}{2} D}$$

$$\sin \frac{1}{2} D = \frac{50}{R}$$

$$\sin \frac{1}{2} D = \frac{50 \tan \frac{1}{2} I}{T}$$

$$R = T \cot \frac{1}{2} I$$

$$R = \frac{50}{\sin \frac{1}{2} D}$$

$$E = R \text{ ex. sec } \frac{1}{2} I$$

$$E = T \tan \frac{1}{2} I$$

$$\text{Chord def.} = \frac{\text{chord}^2}{R}$$

$$\text{No. chords} = \frac{I}{D}$$

$$\text{Tan. def.} = \frac{1}{2} \text{ chord def.}$$

The square of any distance, divided by twice the radius, will equal the distance from tangent to curve. very nearly.

To find angle for a given distance and deflection.

Rule 1. Multiply the given distance by .01745 (def. for 1° for 1 ft.) and divide given deflection by the product.

Rule 2. Multiply given deflection by 57.3, and divide the product by the given distance.

To find deflection for a given angle and distance. Multiply the angle by .01745, and the product by the distance.

GENERAL DATA

RIGHT ANGLE TRIANGLES. Square the altitude, divide by twice the base. Add quotient to base for hypotenuse.

Given Base 100, Alt. $10.10^2 \div 200 = .5$. $100 + .5 = 100.5$ hyp.

Given Hyp. 100, Alt. $25.25^2 \div 200 = 3.125$. $100 - 3.125 = 96.875 = \text{Base}$.

Error in first example, .002; in last, .045.

To find Tons of Rail in one mile of track: multiply weight per yard by 11, and divide by 7.

LEVELING. The correction for curvature and refraction, in feet and decimals of feet is equal to $0.574 d^2$, where d is the distance in miles. The correction for curvature alone is closely $\frac{1}{3} d^2$. The combined correction is negative.

PROBABLE ERROR. If d_1, d_2, d_3 , etc. are the discrepancies of various results from the mean, and if $\sum d^2$ the sum of the squares of these differences and n = the number of observations, then the probable error of the mean = $\pm 0.6745 \sqrt{\frac{\sum d^2}{n(n-1)}}$

MINUTES IN DECIMALS OF A DEGREE

1'	.0167	11'	.1833	21'	.3500	31'	.5167	41'	.6833	51'	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

INCHES IN DECIMALS OF A FOOT

1-16	3-32	$\frac{1}{8}$	3-16	$\frac{1}{4}$	5-16	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729
1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

S-1 across from stream by Iron Bridge

Trial
VOC - 0.0 depth 6"-12"
N 39.88358°
W 080.43739°
Time - 1232

S-2/S-2 dup
below black drainage pipe
VOC - 0.0 depth 6"-2"
N 39.88352
W 080.44062
Time - 1241
Time dup - 1243

S-3 below drainage pipe on plateau
VOC - 0.0 depth 0"-6"
N 39.88452
W 080.43963
Time 1250

S-4 in wetland next to small parking area
VOC - 0.0 depth 6"-12"
N 39.88292
W 080.43824
Time 1301

(7)

S-5 at mouth of stream by Iron Bridge Trail
depth 6"-12"

VOC - 0.0
N 39.88349
W 080.44169
Time 1341

S-6 across creek from S-2
depth 6"-12"

VOC - 0.0
N 39.88393
W 080.44076
Time 1348

S-7 across creek from S-4
depth 6"-12"

VOC - 0.0
N 39.88409
W 080.43889
Time - 1358

S-8 across from parking area at bridge in
flat area by trail just beyond bridge
depth 6"-12"

VOC - 0.0
N 39.88270
W 080.43739
Time 1406

3

S-9 upstream by large tree leaning into water
VOC 50.0 depth 0-6"

N. 39.88255

W 080.43463

Time 1416

ATTACHMENT F

Laboratory Results Summary



Laboratory Result Summary

Page 1 of 5

Laboratory Project ID: 0701297

Gannett Fleming, Inc.

Frank Swit
207 Senate Ave.
Camp Hill, PA 17011

Contact: Frank Swit

Project Name: Ryerson Dam

Project Number: 047134.810

Purchase Order Number: N/A

Sampled By: Michael S. Maddigan

Date Received: January 18, 2007

Time Received: 11:05 AM

Analytical Testing Parameters

Client Sample ID: **S-1**

Lab Sample ID: **0701297-01**

Collection Date: **1/17/2007**

Collection Time: **12:32 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:11 AM	BEH

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	58.98	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-2**

Lab Sample ID: **0701297-02**

Collection Date: **1/17/2007**

Collection Time: **12:41 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	6:51 AM	BEH

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	59.04	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED



Laboratory Result Summary

Page 2 of 5

Laboratory Project ID: 0701297

Analytical Testing Parameters

Client Sample ID: **S-2 DUP**

Lab Sample ID: **0701297-03**

Collection Date: **1/17/2007**

Collection Time: **12:43 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	7:30 AM	BEH

- The recovery of the surrogate Decachlorobiphenyl was low.

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	66.19	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-3**

Lab Sample ID: **0701297-04**

Collection Date: **1/17/2007**

Collection Time: **12:50 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:10 AM	BEH

- The recovery of the surrogate Decachlorobiphenyl was low.

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	58.20	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-4**

Lab Sample ID: **0701297-05**

Collection Date: **1/17/2007**

Collection Time: **1:01 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	8:53 AM	BEH



Laboratory Result Summary

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General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	56.16	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-5**

Collection Date: **1/17/2007**

Lab Sample ID: **0701297-06**

Collection Time: **1:41 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	9:33 AM	BEH

- The recovery of the surrogate Tetrachloro-m-xylene was high.

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	83.30	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-6**

Collection Date: **1/17/2007**

Lab Sample ID: **0701297-07**

Collection Time: **1:48 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:14 PM	BEH

- The recovery of the surrogate Decachlorobiphenyl was low.

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	48.44	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED



Laboratory Result Summary

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Laboratory Project ID: 0701297

Analytical Testing Parameters

Client Sample ID: **S-7**

Lab Sample ID: **0701297-08**

Collection Date: **1/17/2007**

Collection Time: **1:58 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	12:53 PM	BEH

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	57.41	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-8**

Lab Sample ID: **0701297-09**

Collection Date: **1/17/2007**

Collection Time: **2:06 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	1:33 PM	BEH

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	44.70	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Analytical Testing Parameters

Client Sample ID: **S-9**

Lab Sample ID: **0701297-10**

Collection Date: **1/17/2007**

Collection Time: **2:16 PM**

Polychlorinated Biphenyls (PCBs)

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
PCB 1016	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH
PCB 1221	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH
PCB 1232	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH
PCB 1242	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH
PCB 1248	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH
PCB 1254	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH
PCB 1260	<0.500	mg/Kg (dry)	0.500	SW846 8082	1/26/2007	2:13 PM	BEH



Laboratory Result Summary

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Laboratory Project ID: 0701297

General Chemistry Analysis

Parameter	Results	Units	PQL	Method	Test Date	Test Time	Analyst
Total Residue Percent	71.63	%	0.01	SM 2540G	1/22/2007	11:22 AM	JED

Report Comments:

The **PQL** is the **Practical Quantitation Limit**, which is defined as the lowest quantitation level of an analyte that can be readily achieved within the specified limits of precision and accuracy of an analytical method during routine laboratory operating conditions. The value may be raised depending on the characteristics or behavior of the target analyte.

All samples were analyzed "as received" from the client. American Westtech Inc. can only assume that all samples were collected and submitted by the CLIENT following the appropriate protocols set forth by the regulatory requirements. This document shall not be reproduced, except in full, without the written approval of American Westtech Inc. If there are any questions pertaining to this laboratory report please contact a Client Services Coordinator or the Laboratory Director at (717) 651-9700.

Laboratory Certifications:

- NELAP accredited by the NJDEP for various solid waste parameters (PA019).
- PADEP accredited for the following drinking water parameters: Total Coliform, E. coli., Heterotrophic plate count, TTHM, VOC1, VOC2, Copper, Lead, Nitrate, Nitrite, Fluoride, and Sulfate (22-00578).

Reviewed and Approved By:

Date Reviewed and Approved:

1-30-07

William W. Smith, Jr.
Laboratory Director



AMERICAN WESTECH, INC.
 4359 LINGLESTOWN ROAD / HARRISBURG, PA 17112
 PHONE: (717) 651-9700 FAX: (717) 657-0752
 WWW.AMERICANWESTECH.COM

ENVIRONMENTAL
 SAMPLE SUBMITTAL FORM

LAB PROJECT NUMBER
0701297

CLIENT INFORMATION:		CLIENT PROJECT INFORMATION:				CLIENT INVOICE TO:			
Company: <u>Granett Fleming Inc.</u>		Project Name: <u>Ryersen Dam</u>				Company: <u>Dave</u>			
Contact: <u>Frank Swait</u>		Project #: <u>047134.510</u>				Contact:			
Address: <u>207 Senate Ave.</u>		P.O. #: _____				Address:			
City: <u>Camp Hill</u> State: <u>PA</u> Zip: <u>17011</u>		WESTECH Proposal #: _____				City: _____ State: _____ Zip: _____			
Phone: <u>(717) 763-7211</u> Fax: <u>(717) 763-8150</u>						Phone: () Fax: ()			
PLEASE MARK TURNAROUND TIME REQUESTED *									
<input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 3 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Normal (10 Day) <input type="checkbox"/> Other: _____		Turnaround times are based on working days only. All "RUSH" TATs must be pre-arranged with WESTECH and are subject to "RUSH" surcharges.							
LAB ID	SAMPLE IDENTIFICATION / LOCATION	Sample Type				Sample Date (month/day/yr)	Sample Time (0000)	ANALYSIS REQUESTED	
		# of Bottles	Solid	Liquid	Other				Grab
01	S-1	1	X			1/17/07	1232	PCBs X	
02	S-2	1	X				1241		
03	S-2 DUP	1	X				1243		
04	S-3	1	X				1350		
05	S-4	1	X				1301		
06	S-5	1	X				1341		
07	S-6	1	X				1348		
08	S-7	1	X				1355		
09	S-8	1	X				1400		
10	S-9	1	X				1416		
Please Print Name		Signature		Date		Time		Client Comments or Special Instructions	
Sampled By: <u>Michael S. Madigan</u>		<u>Michael S. Madigan</u>		1/19/07		1105			
Relinquished By (Sampler): <u>Michael S. Madigan</u>		<u>Michael S. Madigan</u>		1/16/07		1105			
Accepted By:									
Relinquished to WESTECH By:									
Accepted at WESTECH By: <u>JESSIE PRITTO</u>		<u>Jessie Pritto</u>		1/18/07		1105			
Shipping Carrier: <u>JV</u>		Cooler Temperature: <u>1</u> °C		COC Seal Intact? <u>Yes</u>		No		Comment: <u>OLD</u>	