APPENDIX A

JUN 28 2005

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Thomas A. Cinti (3RC42)
Senior Assistant Regional Counsel
(T) (215) 814-2634
(F) (215) 814-2603
cinti.thomas@epa.gov

June 22, 2005

Steven A. Hann, Esq.
Hamburg, Rubin, Mullin, Maxwell & Lupin
ACTS Center-Blue Bell
375 Morris Road
P.O. Box 1479
Lansdale, PA 19446-0773

RE: North Penn Area 2 Superfund Site/Steiert Property

Dear Steve:

Please allow this to serve as confirmation that, with regard to the pending Non-Time Critical Removal ("NTCR") selected for the Steiert Property ("Property"), the area of the Property designated as "Unit I" on the enclosed plot plan is not subject to the NTCR selected by the United States Environmental Protection Agency ("EPA"). The portion of the Property designated as Unit II on the enclosed plot plan is subject to the NTCR.

I hope that this serves to clarify the scope of the NTCR. If you have any questions regarding this correspondence, please do not hesitate to contact me.

Sincerely,

Thomas A. Cinti
Senior Assistant Regional Counsel

Enclosure (1) (Plot plan)

cc: Allison Gardner (3RC42)
Alexis Alexander (3HS21)

Printed on 100% recycled/recyclable paper with 100% post-consumer fiber and process chlorine free.
Customer Service Hotline: 1-800-438-2474

APPENDIX B

Suburban Water Testing Labs

Results Report

Order ID: 07050432

Altemose Constructors		Project:	2700 Bergey Road
2880 Bergey Road Suite D			2700 Bergey Road
Hatfield, PA 19440			Hatfield, PA 19440
Attn: (b) (4) [redacted]		PWSID:	

Sample Number: 07050432-01	Site Bathroom Sink		Customer Sample ID:
Collector: (b) (4) [redacted]	Collect Date: 5/14/2007	9:05 AM	Sample Type:

Parameter	Result	Units	Method	RL	Analysis date	Analyst
Benzene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Carbon Tetrachloride	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,2-Dichloroethane	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,2-Dichlorobenzene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,4-Dichlorobenzene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,1-Dichloroethene	15.7	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
cis-1,2-Dichloroethene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
trans-1,2-Dichloroethene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Dichloromethane (Methylene Chloride)	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,2-Dichloropropane	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Ethyl Benzene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Styrene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Tetrachloroethene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Toluene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,2,4-Trichlorobenzene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,1,1-Trichloroethane	3.6	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
1,1,2-Trichloroethane	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Trichloroethene	1.0	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Vinyl Chloride	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Chlorobenzene	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Total Xylenes	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Methyl-t-butyl ether (MTBE)	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
35 Unregulated VOCs 1,1-dichloroethane detected at 5.2 ppb.	detected	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Chloride	107	mg/L	EPA 300.0	10	5/14/2007 6:29:00 PM	SO
Copper (Flushed)	<0.05	mg/L	SM 3111-B	0.05	5/17/2007 1:59:00 PM	RPV
Copper (Standing)	0.10	mg/L	SM 3111-B	0.05	5/17/2007 1:59:00 PM	RPV

Approved By:
Richard C. Stump, II
President

Report Generated On:
6/11/2008 10:00

Suburban Water Testing Laboratories, Inc
4600 Kutztown Road, Temple, PA 19560
Phone 800-433-6595 Fax 610-929-8321
Website h2otest.com

ACCREDITED IN ACCORDANCE WITH NELAC
PA DEP # 06-00208

Celebrating 45 Years of Excellence
1963 - 2008

AR100398

Suburban Water Testing Labs

Results Report

Fluoride	<0.2	mg/L	EPA 300.0	0.2	5/14/2007 6:29:00 PM	SO
Hardness, Total as CaCO3	342	mg/L	SM 2340-C	10	5/15/2007 1:50:00 PM	CH
Iron (Total)	0.06	mg/L	SM 3111-B	0.05	5/17/2007 12:39:00 PM	RPV
Lead (Flushed)	<0.003	mg/L	SM 3113-B	0.003	5/17/2007 11:02:00 AM	RPV
Lead (Standing)	<0.003	mg/L	SM 3113-B	0.003	5/17/2007 11:02:00 AM	RPV
Manganese	0.020	mg/L	SM 3111-B	0.01	5/17/2007 1:42:00 PM	RPV
Nitrate as N	<1.0	mg/L	EPA 300.0	1	5/14/2007 6:29:00 PM	SO
Nitrite as N	<0.1	mg/L	EPA 300.0	0.1	5/14/2007 6:29:00 PM	SO
pH, Lab	7.64	ph Units	SM 4500-H-B		5/15/2007 1:15:00 PM	CH
Sulfate	24.8	mg/L	EPA 300.0	10	5/14/2007 6:29:00 PM	SO
Total Coliform	0	cfu/100ml	SM 9222-B	0	5/15/2007 9:30:00 AM	CH
Bromodichloromethane	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Bromoform	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Chloroform	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Dibromochloromethane	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2
Total Trihalomethanes	<0.5	ppb	EPA 524.2	0.5	5/17/2007 9:56:00 PM	RCS2

Comments:

Approved By:
Richard C. Stump, II
President

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Phone 800-433-6595 Fax 610-929-8321
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ACCREDITED IN ACCORDANCE WITH PA DEP # 06-00208

Report Generated On:
6/11/2008 10:00

Celebrating 45 Years of Excellence
1963 - 2008

Suburban Water Testing Labs

Results Report

Order ID: 07050432

Altemose Constructors
2880 Bergey Road
Suite D
Hatfield, PA 19440
Attn: (b) (4)

Project: 2700 Bergey Road
2700 Bergey Road
Hatfield, PA 19440

Sample Number: 07050432-01 Site: Bathroom Sink Customer Sample ID:
Collector: (b) (4) Collect Date: 5/14/2007 9:05 AM Sample Type:

Parameter	Result	Units	Acceptable Level	Pass/Fail	Analysis date	Analyst
Total Coliform	0	cfu/100ml	0	Pass	5/15/2007 9:30:00 AM	CH
Nitrate as N	<1.0	mg/L	10	Pass	5/14/2007 6:29:00 PM	SO
pH, Lab	7.64	ph Units		Pass	5/15/2007 1:15:00 PM	CH
Nitrite as N	<0.1	mg/L	1	Pass	5/14/2007 6:29:00 PM	SO
Fluoride	<0.2	mg/L	4	Pass	5/14/2007 6:29:00 PM	SO
Chloride	107	mg/L	250	Pass	5/14/2007 6:29:00 PM	SO
Sulfate	24.8	mg/L	250	Pass	5/14/2007 6:29:00 PM	SO
Hardness, Total as CaCO3	342	mg/L		N/A	5/15/2007 1:50:00 PM	CH
Manganese	0.020	mg/L	0.05	Pass	5/17/2007 1:42:00 PM	RPV
Iron (Total)	0.06	mg/L	0.3	Pass	5/17/2007 12:39:00 PM	RPV
Lead (Standing)	<0.003	mg/L	0.015	Pass	5/17/2007 11:02:00 AM	RPV
Lead (Flushed)	<0.003	mg/L	0.015	Pass	5/17/2007 11:02:00 AM	RPV
Copper (Standing)	0.10	mg/L	1.3	Pass	5/17/2007 1:59:00 PM	RPV
Copper (Flushed)	<0.05	mg/L	1.3	Pass	5/17/2007 1:59:00 PM	RPV
Benzene	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
Carbon Tetrachloride	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
1,2-Dichloroethane	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
1,2-Dichlorobenzene	<0.5	ppb	600	Pass	5/17/2007 9:56:00 PM	RCS2
1,4-Dichlorobenzene	<0.5	ppb	75	Pass	5/17/2007 9:56:00 PM	RCS2
1,1-Dichloroethene	15.7	ppb	7	Fail	5/17/2007 9:56:00 PM	RCS2
cis-1,2-Dichloroethene	<0.5	ppb	70	Pass	5/17/2007 9:56:00 PM	RCS2
trans-1,2-Dichloroethene	<0.5	ppb	100	Pass	5/17/2007 9:56:00 PM	RCS2
Dichloromethane (Methylene Chloride)	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
1,2-Dichloropropane	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
Ethyl Benzene	<0.5	ppb	700	Pass	5/17/2007 9:56:00 PM	RCS2
Styrene	<0.5	ppb	100	Pass	5/17/2007 9:56:00 PM	RCS2
Tetrachloroethene	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
Toluene	<0.5	ppb	1000	Pass	5/17/2007 9:56:00 PM	RCS2
1,2,4-Trichlorobenzene	<0.5	ppb	70	Pass	5/17/2007 9:56:00 PM	RCS2
1,1,1-Trichloroethane	3.6	ppb	200	Pass	5/17/2007 9:56:00 PM	RCS2
1,1,2-Trichloroethane	<0.5	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
Trichloroethene	1.0	ppb	5	Pass	5/17/2007 9:56:00 PM	RCS2
Vinyl Chloride	<0.5	ppb	2	Pass	5/17/2007 9:56:00 PM	RCS2

Approved By:
Richard C. Stump, II
President

Report Generated On:
5/21/2007 9:27

Suburban Water Testing Laboratories, Inc
4600 Kutztown Rd.
Temple, PA 19560
800-433-6595

Technical Information 610-929-2920
Certified Lab ID # 06208
Fax 610-929-8321
h2otest.com

Suburban Water Testing Labs

Results Report

Sample Number: 07050432-01 Site: Bathroom Sink Customer Sample ID:

Collector: (b) (4) Collect Date: 5/14/2007 9:05 AM Sample Type:

Parameter	Result	Units	Acceptable Level	Pass/Fail	Analysis date	Analyst
Chlorobenzene	<0.5	ppb	100	Pass	5/17/2007 9:56:00 PM	RCS2
Total Xylenes	<0.5	ppb	10000	Pass	5/17/2007 9:56:00 PM	RCS2
Methyl-t-butyl ether (MTBE)	<0.5	ppb		N/A	5/17/2007 9:56:00 PM	RCS2
35 Unregulated VOCs 1,1-dichloroethane detected at 5.2 ppb.	detected	ppb		N/A	5/17/2007 9:56:00 PM	RCS2
Bromodichloromethane	<0.5	ppb		N/A	5/17/2007 9:56:00 PM	RCS2
Bromoform	<0.5	ppb		N/A	5/17/2007 9:56:00 PM	RCS2
Chloroform	<0.5	ppb		N/A	5/17/2007 9:56:00 PM	RCS2
Dibromochloromethane	<0.5	ppb		N/A	5/17/2007 9:56:00 PM	RCS2
Total Trihalomethanes	<0.5	ppb	80	Pass	5/17/2007 9:56:00 PM	RCS2

Comments:

Acceptable levels based on the Safe Drinking Water Act 40CFR part 141. This standard may or may not apply in any given situation

Approved By:
Richard C. Stump, II
President

Report Generated On:
5/21/2007 9:27

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Technical Information 610-929-2920
Certified Lab ID # 06208
Fax 610-929-8321
h2otest.com

1,1-Dichloroethylene (Vinylidene Chloride)

A. ***Properties:*** 1,1-Dichloroethylene is a clear, colorless, volatile liquid which is heavier than water and very slightly soluble in water.

B. ***Uses:*** It is used in the manufacture of polyvinylidene copolymers which are in turn used in the manufacture of food wrappings, non-flammable synthetic fibers and interior coatings for storage tanks and pipings.

C. ***Sources of Exposure:*** Most exposure is from direct production and use of the chemical. It has been detected in both raw and finished drinking water.

D. ***Routes of Entry:***

1. Oral—readily absorbed following ingestion
2. Inhalation—readily absorbed in the lungs
3. Dermal—absorbed through the skin but not as readily as through other routes of exposure

E. ***Some Toxic Effects:***

1. Acute Effects—central nervous system and respiratory system disturbances
2. Chronic Effects—can cause kidney and liver damage

F. ***Human Health Criteria and Standard for Drinking Water:***

It is not listed as a carcinogen by EPA or NAS.

EPA Health Advisory (micrograms per liter—μg/L)

1-day	10-day	Longer-Term
2,000	1,000	1,000

MCL (μg/L)

7

AR100402

Suburban Water Testing Labs

HARDNESS FACT SHEET

Brief Overview:

Category:	Inorganic
Acceptable Level:	None published by EPA
Source:	Minerals dissolved in water.
Effect:	Mineral deposits in plumbing, reduced soap lathering.
Follow up:	Treat, retest for hardness.
Treatment:	Ion exchange water softener

Details:

Source:

Hardness minerals are completely dissolved in the water and cannot be seen. When rainwater falls over the land and percolates through rocks, it dissolves minerals and holds them in solution. Calcium and magnesium dissolved in water are the two most common minerals that make water "hard". The degree of hardness becomes greater as the calcium and magnesium content increases and is related to the concentration of multivalent cations dissolved in the water.

Effect:

Hardness of the water is not generally considered to be a health-related concern; in fact, calcium and magnesium are essential minerals in a healthy diet. However, hardness can be an aesthetic or economic concern. Hard water can cause problems such as reduced lathering of soaps, scum on wash water, gray laundry, buildup of scale on plumbing elements, reduced water flow due to scale buildup (primarily in water heating systems) and/or scaling on pots and pans.

Hard water interferes with almost every cleaning task from laundering and dishwashing to bathing and personal grooming. Clothes laundered in hard water may look dingy and feel harsh and scratchy. Dishes and glasses may be spotted when dry. Hard water may cause a film on glass shower doors, shower walls, bathtubs, sinks, faucets, etc. Hair washed in hard water may feel sticky and look dull. The amount of hardness minerals in water affects the amount of soap and detergent necessary for cleaning.

Hard water also contributes to inefficient and costly operation of water-using appliances. Heated hard water forms a scale of calcium and magnesium minerals that can contribute to the inefficient operation or failure of water using appliances. Pipes can become clogged with scale that reduces water flow and ultimately requires pipe replacement.

Water Description	$CaCO_3$ (mg/L)	Grains per Gallon
Soft:	0 to 50	0 to 3
Moderately hard:	51 to 100	3 to 6
Hard:	101 to 170	6 to 10
Very hard:	171 +	10 +

Follow up:

If you find that hardness in the water is a nuisance, you may decide to treat the water to reduce the amount of calcium and magnesium. After installing the treatment equipment, retest to determine whether the unit is softening the water adequately.

Treatment:

The most common method to treat hard water is through an ion exchange water softener. Ion exchange water softening is a process in which the hardness ions, magnesium and calcium, are exchanged with either sodium or occasionally, potassium ions. Hardness minerals are removed from water by passing through a bed of synthetic plastic beads called "resin". This resin has the ability to attract and hold the hardness minerals from the water, much like a magnet attracts metal filings. The process technically is called "ion exchange". When the hardness minerals attach themselves to the beads, the sodium ions are displaced. Hence, the hardness ions are replaced by the sodium ions.

Salt brine has the ability to remove the accumulated hardness minerals from the resin beads. Removal is called "regeneration" or "recharging". A water softener provides a resin bed and a method of passing salt brine through the bed for regeneration. The more resin contained in the softener, the greater is its ability to attract and hold more grains of hardness minerals before regeneration is necessary.

For further technical assistance, call Suburban Water Testing Labs at 1-610-929-2920, or call the U. S. Environmental Protection Agency Safe Drinking Water Hotline at 1-800-426-4791.

Suburban Water Testing Laboratories, Inc
4600 Kutztown Rd.
Temple, PA 19560
800-433-6595

Technical information 610-929-2920
Certified Lab ID # 06208
Fax 610-929-8321
h2otest.com

APPENDIX C

Tetra Tech NUS, Inc.

600 Clark Avenue, Suite 3
King of Prussia, PA 19406-1433
Phone: (610) 491-9688
Fax: (610) 491-9645

DATE 9/29	JOB NO. 0479.0110
RE:	

TO: (b) (4)

ATTN:

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS (b) (4) RI Results for Steiert.

COPY TO

FILE:

SIGNED

If the enclosures are not as noted, kindly notify us at once.

AR100405

[redacted] - Exceeds 500 ppm

[redacted] - Exceeds 10,000 ppm

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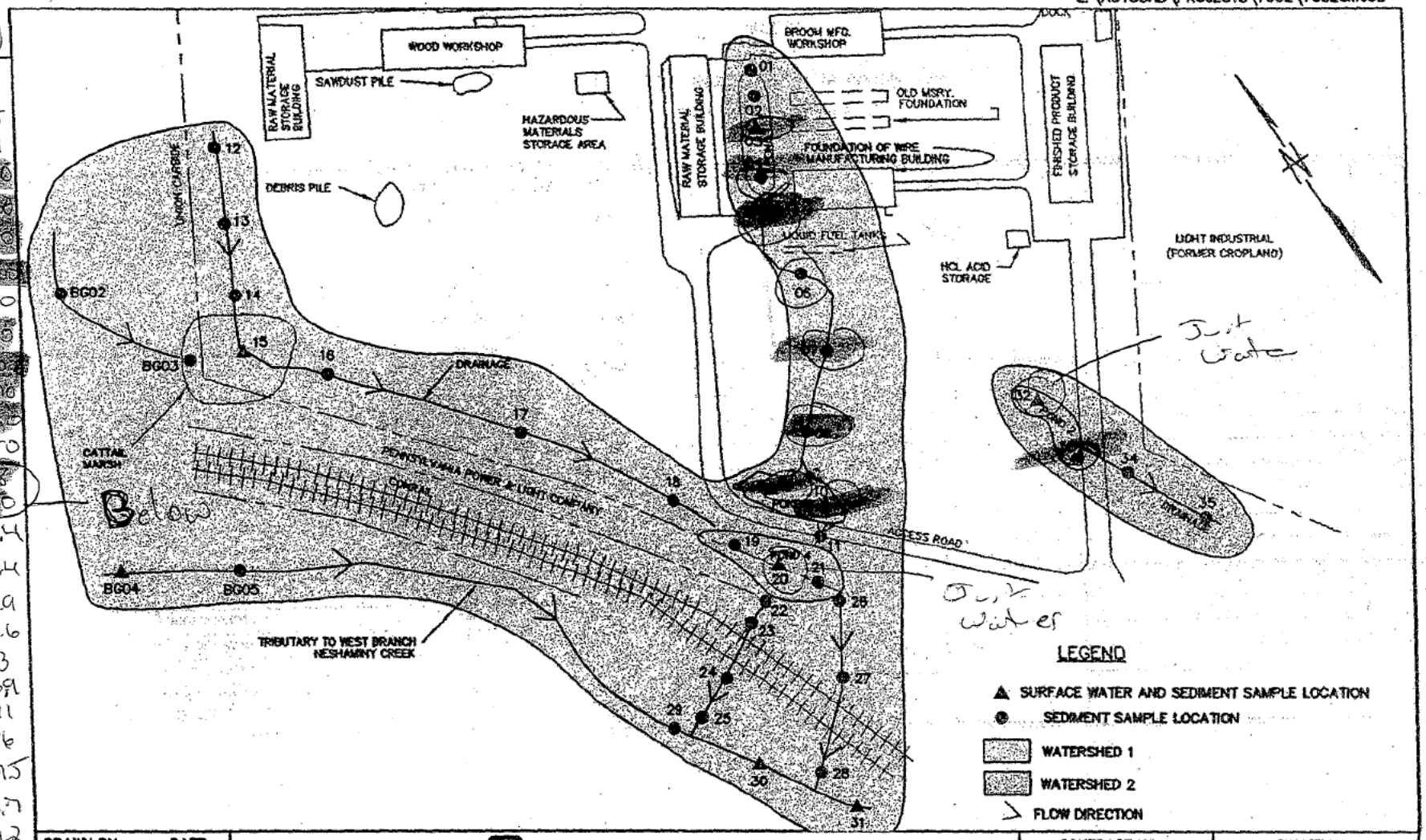

DRAWN BY ASM/LDL	DATE 2/17/99	Tetra Tech NUS, Inc.	CONTRACT NO. 7662 / OWNER NO.
CHECKED BY	DATE	NORTH PENN AREA 2 STEIERT FACILITY STEIERT & SONS, INC. SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS	APPROVED BY / DATE
COST/SCHED-AREA			APPROVED BY / DATE
SCALE N.T.S.			DRAWING NO. FIGURE 2-2 / REV. 1

Lead

-19	103
-01	495
-02	267
-03	1,890
-04	1,960
-05	1,930
-06	200
-07	4,890
-08	[illegible]
-09	4,390
-10	3,260
-11	450
-12	468
-13	480
-14	39.4
-15bp	91.4
-15	79.9
-16	94.6
-17	93
-18	86.9
-20	311
-21	186
-22	59.5
-23	53.7
-24	74.2
-25	36.4
-26	19.4
-27	20.4
-28	12.7
-29	70
-30	38.8
-31	50.6
-32	50.5
-33	[illegible]
-34	48.8

AR100406

- Elevated RAH Con[illegible]
- Exceeds 1,000 ppm
- Exceeds 10,000 ppm

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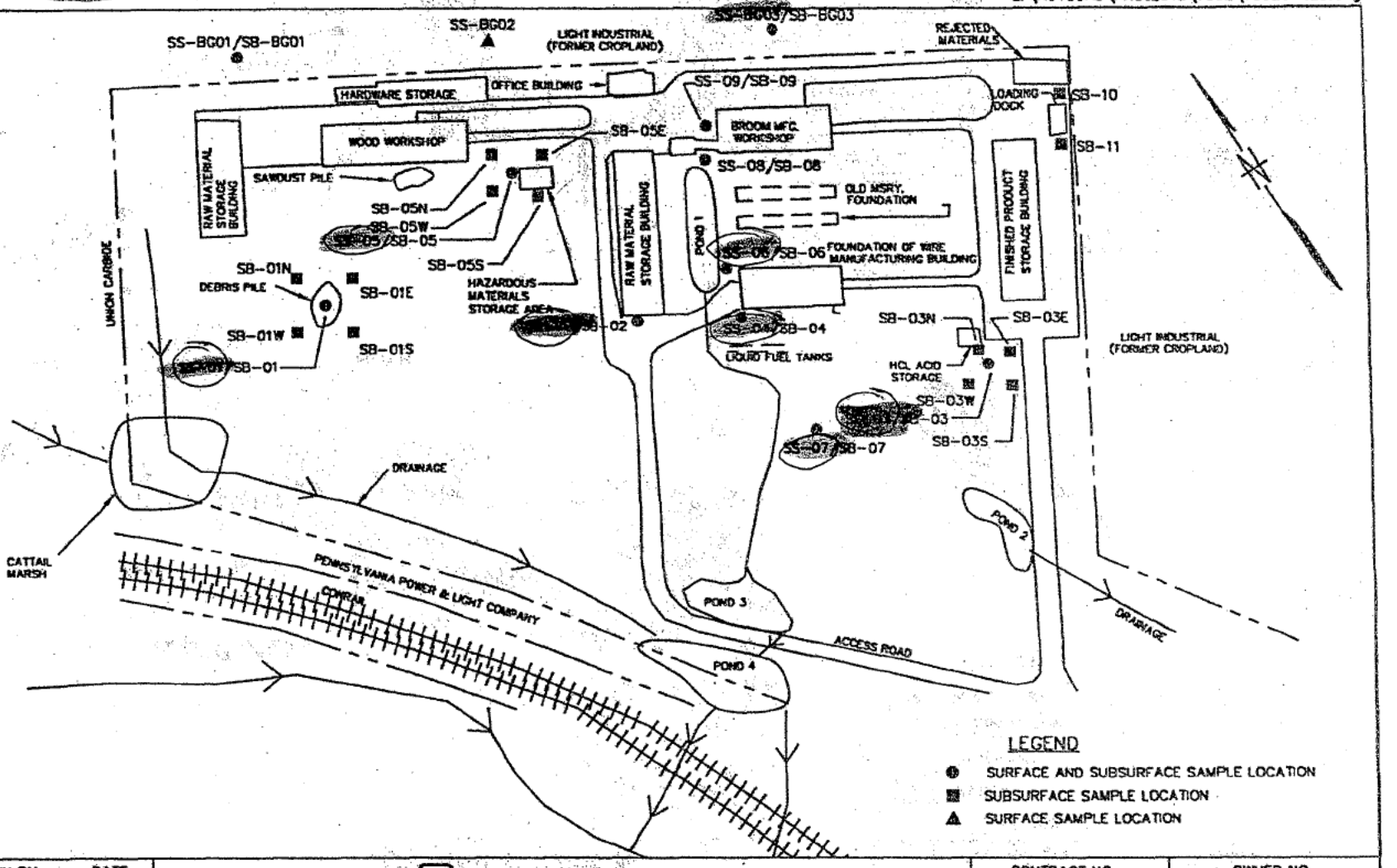

DRAWN BY ASM / LDL — DATE 3/2/99	Tetra Tech NUS, Inc.	CONTRACT NO. 7662	OWNER NO. ———
CHECKED BY — DATE	NORTH PENN AREA 2 STEIERT FACILITY STEIERT & SONS, INC. SURFACE AND SUBSURFACE SAMPLE LOCATIONS	APPROVED BY	DATE
COST/SCHED-AREA		APPROVED BY	DATE
SCALE N.T.S.		DRAWING NO. FIGURE 2-1	REV. 1

Lead

SB-01	17.3
SB-01E	61.5
SB-01N	15.4
SB-01S	12.5
SB-01W	17.7
SB-02	15.1
SB-03	25
SB-03E	20.1
SB-03N	53.4
SB-03S	17.6
SB-03W	16.3
SB-04	17.8
SB-05Dup	14.9
SB-05	17.5
SB-05E	20.5
SB-05N	17.4
SB-05S	15.7
SB-05W	16
SB-06	14
SB-07	18.1
SB-08	21.1
SB-09Dup.	9.7
SB-09	10.8
SB-10	26.2
SB-11	17.3
SB-BG01	17.1
SB-BG03	26.6

SS-BG02 72.2

SS-08 58.5
SS-09 113

AR100407

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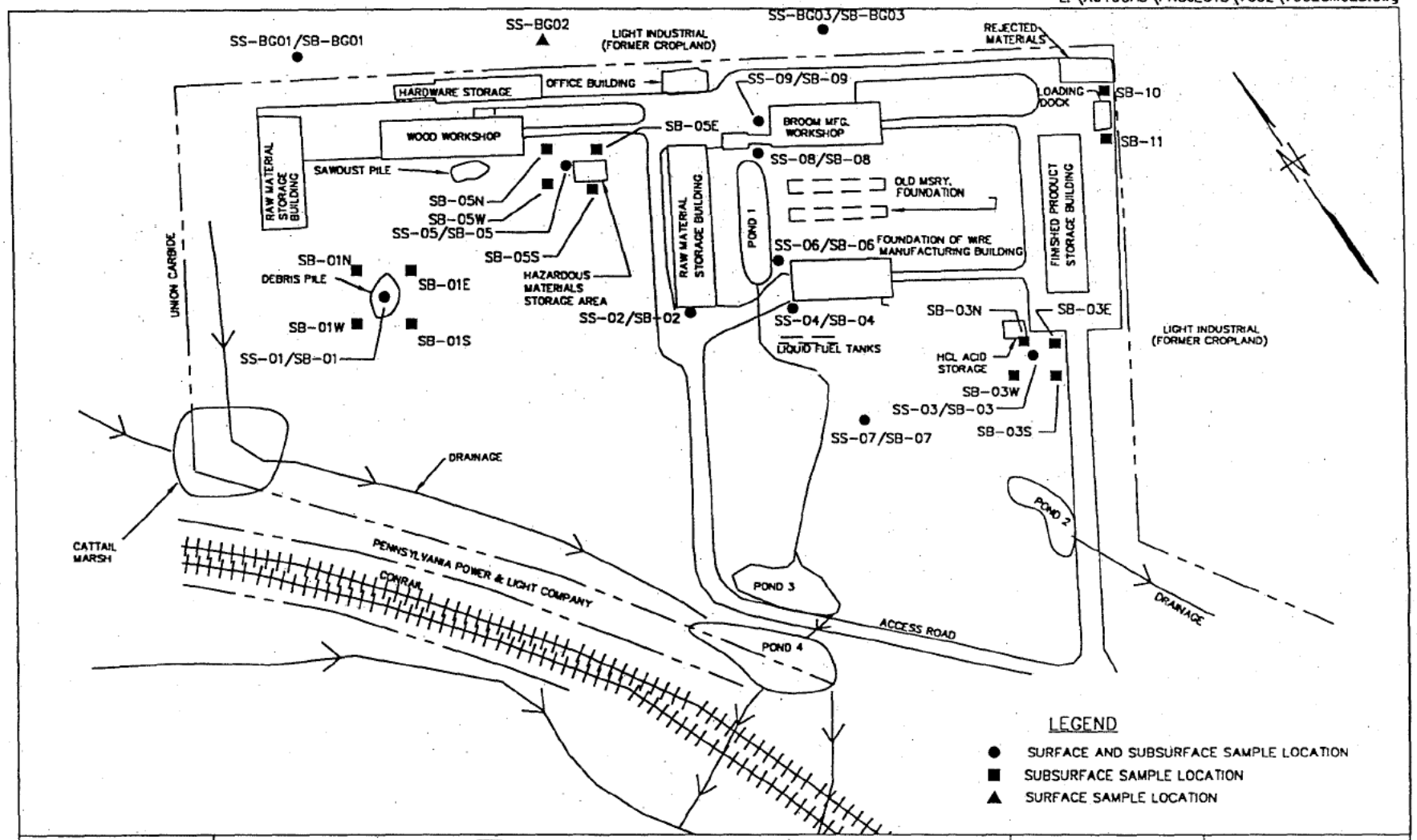

DRAWN BY ASM / LDL — DATE 3/2/99	Tetra Tech NUS, Inc.	CONTRACT NO. 7662	OWNER NO. ————
CHECKED BY — DATE	NORTH PENN AREA 2 STEIERT FACILITY STEIERT & SONS, INC. SURFACE AND SUBSURFACE SAMPLE LOCATIONS	APPROVED BY — DATE	
COST/SCHED-AREA		APPROVED BY — DATE	
SCALE N.T.S.		DRAWING NO. FIGURE 2-1	REV. 1

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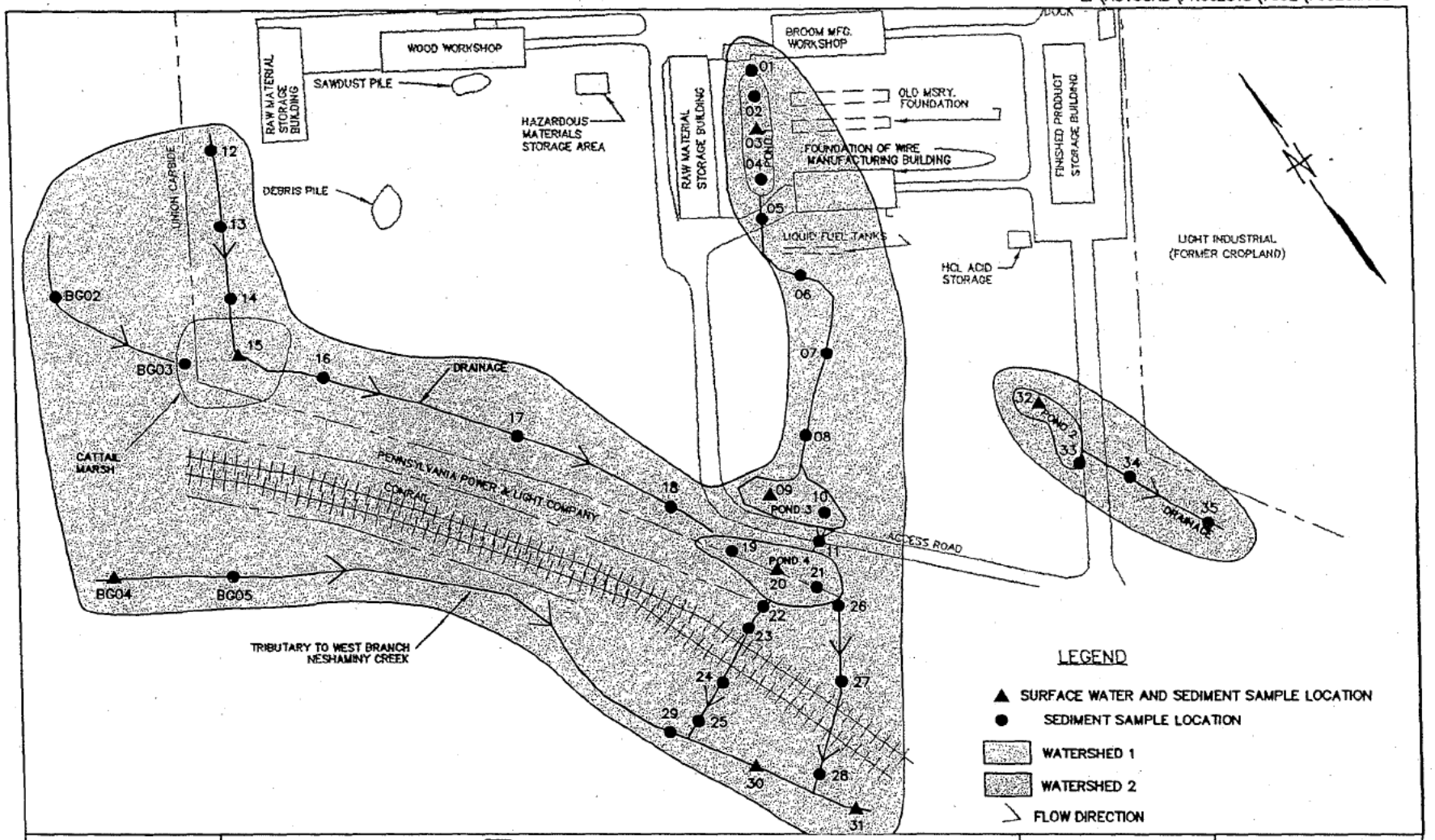

DRAWN BY ASM/LDL DATE 2/17/99	Tetra Tech NUS, Inc.	CONTRACT NO. 7662	OWNER NO. ———
CHECKED BY DATE	NORTH PENN AREA 2 STEIERT FACILITY STEIERT & SONS, INC. SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS	APPROVED BY DATE	
COST/SCHED—AREA		APPROVED BY DATE	
SCALE N.T.S.		DRAWING NO. FIGURE 2—2	REV. 1

AR100409

TABLE 1

ANALYTICAL RESULTS FOR GROUNDWATER

NORTH PENN AREA 2

SAMPLE I.D.:	NP-RW-01	NP-RW-01-DUP	---	---	---	---	---	---
LOCATION:	NP-RW-01	NP-RW-01	---	---	---	---	---	---
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2						
MEDIA DESCRIPTION:	Groundwater	Groundwater						
MATCHING DUPLICATE I.D.:	NP-RW-01-DUP	NP-RW-01						
INORGANICS	**ug/L**	**ug/L**						
Arsenic	12	11						
Barium	337	330						
Calcium	74500	72600						
Magnesium	27600	26900						
Manganese	27	27						
Sodium	16400	15900						
Zinc	89	87						
VOLATILES	**ug/L**	**ug/L**						
1,1,1-Trichloroethane	58.6	60.6						
1,1-Dichloroethane	16	15.1						
1,1-Dichloroethene	43.1	40.2						
Methylene Chloride	1 B	1 B						
Trichloroethene	5 J	5.3						

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K -- Analyte present. Reported value may be biased high. Actual value is expected to be lower.
B -- Not detected substantially above the level reported in laboratory or field blanks.

TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0101	NP-SB-01E01	NP-SB-01N01	NP-SB-01S01	NP-SB-01W01	NP-SB-0201	NP-SB-0301	NP-SB-03E01
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-01N	NP-SB-01S	NP-SB-01W	NP-SB-02	NP-SB-03	NP-SB-03E
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	11000	15100	10100	14400	13100	13700	16500	14300
Antimony	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Arsenic	3.1	9.2	4.6	4.8	5.9	7.3	1.6	4.1
Barium	81	63.3	76.2	57.7	53.8	206	186	94.6
Beryllium	0.6	0.6	0.6	0.4	0.8	1.5	1.1	0.5
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	847	1160	1120	606	1510	1900	1620	1040
Chromium	17.8	25.1	16.7	23.6	23.9	29.8	27.6	23.2
Cobalt	9.7	8.5	8.2	6.2	12.1	20.1	14.7	7.7
Copper	9.7	12.5	6.9	11.2	12.4	7.1	11.2	10.7
Iron	18400	26900	19000	21800	32500	48300	22000	27400
Lead	17.3	61.5	15.4	12.5	17.7	15.1	25	20.1
Magnesium	2030	2290	1620	2460	2310	2350	3250	2530
Manganese	566	313	551	93.8	259	2870	142	164
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.1 U	0.1 U	0.1 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0101	NP-SB-01E01	NP-SB-01N01	NP-SB-01S01	NP-SB-01W01	NP-SB-0201	NP-SB-0301	NP-SB-03E01
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-01N	NP-SB-01S	NP-SB-01W	NP-SB-02	NP-SB-03	NP-SB-03E
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Nickel	11.2	12	8.2	12.1	15.2	23.8	18.4	12.3
Potassium	900	866	335	718	1020	764	960	602
Selenium	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.3 U	0.3 U	0.3 U
Sodium	100 U	100 U	100 U	100 U	100 U	100 U	102	100 U
Thallium	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vanadium	32.3	41	31.6	39.7	37.7	55.2	33.2	35.3
Zinc	36.5	50.8	29.9	34.6	36.2	45.4	44.3	37.6
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2-Methylnaphthalene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
4-Methylphenol	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Acenaphthene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Acenaphthylene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Anthracene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Benzo(a)anthracene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Benzo(a)pyrene	410 U	99.9 J	420 U	420 U	420 U	410 U	400 U	420 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0101	NP-SB-01E01	NP-SB-01N01	NP-SB-01S01	NP-SB-01W01	NP-SB-0201	NP-SB-0301	NP-SB-03E01
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-01N	NP-SB-01S	NP-SB-01W	NP-SB-02	NP-SB-03	NP-SB-03E
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Benzo(b)fluoranthene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Benzo(g,h,i)perylene	410 U	125 J	420 U	420 U	420 U	410 U	400 U	420 U
Benzo(k)fluoranthene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Benzoic Acid	2100 U	2100 U	2100 U	2100 U	2100 U	2100 U	2000 U	2100 U
Bis(2-ethylhexyl)phthalate	410 U	649	420 U	420 U	420 U	410 U	400 U	420 U
Carbazole	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Chrysene	410 U	62.4 J	420 U	420 U	420 U	410 U	400 U	420 U
Di-n-butylphthalate	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Dibenz(a,h)anthracene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Dibenzofuran	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Dimethylphthalate	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Fluoranthene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Fluorene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Indeno(1,2,3-cd)pyrene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U
Phenanthrene	410 U	410 U	420 U	420 U	420 U	410 U	400 U	420 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0101	NP-SB-01E01	NP-SB-01N01	NP-SB-01S01	NP-SB-01W01	NP-SB-0201	NP-SB-0301	NP-SB-03E01
LOCATION	NP-SB-01	NP-SB-01E	NP-SB-01N	NP-SB-01S	NP-SB-01W	NP-SB-02	NP-SB-03	NP-SB-03E
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Pyrene	410 U	125 J	420 U	420 U	420 U	410 U	400 U	420 U
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,1-Dichloroethane	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
1,3,5-Trimethylbenzene	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
2-Butanone	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
Acetone	6.3 U	n/a	2.56 B	2.52 B	2.5 B	6.2 U	4.83 B	6.3 U
Benzene	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
Carbon Disulfide	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
Ethylbenzene	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
Methylene Chloride	6.27 B	n/a	6.4 U	6.3 U	6.2 U	6.2 U	3.62 B	3.79 B
Naphthalene	6.3 UJ	410 U	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
P-isopropyltoluene	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	8.21	6.3 U
Toluene	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U
Trichloroethene	6.3 U	n/a	6.4 U	6.3 U	6.2 U	6.2 U	6 U	6.3 U

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SAMPLE I.D.:	NP-SB-0101	NP-SB-01E01	NP-SB-01N01	NP-SB-01S01	NP-SB-01W01	NP-SB-0201	NP-SB-0301	NP-SB-03E01
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-01N	NP-SB-01S	NP-SB-01W	NP-SB-02	NP-SB-03	NP-SB-03E
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
4,4'-DDD	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	4.1 U	4 U	4.2 U
4,4'-DDE	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	4.1 U	4 U	4.2 U
4,4'-DDT	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	10.7	4 U	4.2 U
Aldrin	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
Alpha-Chlordane	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
Aroclor-1254	41 U	41 U	42 U	42 U	42 U	41 U	40 U	42 U
Aroclor-1260	41 U	175	42 U	42 U	42 U	41 U	40 U	42 U
Beta-BHC	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
Delta-BHC	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
Dieldrin	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	4.1 U	4 U	4.2 U
Endosulfan II	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	4.1 U	4 U	4.2 U
Endosulfan Sulfate	4.1 U	4.1 U	8.55	4.2 U	4.2 U	4.1 U	4 U	4.2 U
Endrin Aldehyde	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	4.1 U	4 U	4.2 U
Endrin Ketone	4.1 U	4.1 U	4.2 U	4.2 U	4.2 U	4.1 U	4 U	4.2 U

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0101	NP-SB-01E01	NP-SB-01N01	NP-SB-01S01	NP-SB-01W01	NP-SB-0201	NP-SB-0301	NP-SB-03E01
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-01N	NP-SB-01S	NP-SB-01W	NP-SB-02	NP-SB-03	NP-SB-03E
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Gamma-Chlordane	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
Heptachlor Epoxide	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D :	NP-SB-03N01	NP-SB-03S01	NP-SB-03W01	NP-SB-0401	NP-SB-0501	NP-SB-0501-DUP	NP-SB-05E01	NP-SB-05N01
LOCATION:	NP-SB-03N	NP-SB-03S	NP-SB-03W	NP-SB-04	NP-SB-05	NP-SB-05	NP-SB-05E	NP-SB-05N
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:					NP-SB-0501-DUP	NP-SB-0501		
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	23400	25900	13400	14500	189000	175000	319000	186000
Antimony	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Arsenic	3.2	1.3	3	3.6	3.2	1.9	6.7	4.5
Barium	98	150	123	143	119	264	140	144
Beryllium	0.8	0.5	0.8	0.8	0.8	1.2	1.1	1.1
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	2200	1100	990	1590	1670	2650	2820	1780
Chromium	29.8	33.9	21.6	26	22.1	24.4	34.9	24.8
Cobalt	8.2	6.1	7.4	9.5	10.3	14.7	9.4	28.5
Copper	7.9	10.7	8.5	11.5	7.8	11.1	17	15.3
Iron	37900	28600	24100	27400	20100	26800	38600	28200
Lead	53.4	17.6	16.3	17.8	14.9	17.5	20.5	17.4
Magnesium	3330	2730	2590	2490	1830	2810	2680	2560
Manganese	103	52.7	129	953	503	233	108	619
Mercury	0.1 U	0.1	0.1 U	0.1 U	0.1	0.1	0.1	0.1

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-03N01	NP-SB-03S01	NP-SB-03W01	NP-SB-0401	NP-SB-0501	NP-SB-0501-DUP	NP-SB-05E01	NP-SB-05N01
LOCATION:	NP-SB-03N	NP-SB-03S	NP-SB-03W	NP-SB-04	NP-SB-05	NP-SB-05	NP-SB-05E	NP-SB-05N
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:					NP-SB-0501-DUP	NP-SB-0501		
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Nickel	14.7	12	12.1	14.7	10.3	20	16.3	15.9
Potassium	2580	1370	630	755	858	964	1600	1070
Selenium	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Sodium	129	110	105	111	100 U	100 U	100 U	108
Thallium	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vanadium	39.3	45.7	33.9	41.1	35.6	31.6	51.2	37.8
Zinc	50.7	37.9	35.3	36.3	32.2	39	36	40.4
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2-Methylnaphthalene	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
4-Methylphenol	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 UJ
Acenaphthene	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Acenaphthylene	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Anthracene	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Benzo(a)anthracene	73.6 J	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Benzo(a)pyrene	85.9 J	420 U	420 U	100 J	410 U	49.1 J	410 U	390 U

NOTES:

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-03N01	NP-SB-03S01	NP-SB-03W01	NP-SB-0401	NP-SB-0501	NP-SB-0501-DUP	NP-SB-05E01	NP-SB-05N01
LOCATION:	NP-SB-03N	NP-SB-03S	NP-SB-03W	NP-SB-04	NP-SB-05	NP-SB-05	NP-SB-05E	NP-SB-05N
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:					NP-SB-0501-DUP	NP-SB-0501		
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Benzo(b)fluoranthene	73.6 J	420 U	420 U	100 J	410 U	49.1 J	410 U	390 U
Benzo(g,h,i)perylene	61.3 J	420 U	420 U	222 J	410 U	61.4 J	410 U	390 U
Benzo(k)fluoranthene	61.3 J	420 U	420 U	111 J	410 U	61.4 J	410 U	390 U
Benzoic Acid	2000 U	2100 U	2100 U	1900 U	2100 U	2100 U	2100 U	2000 U
Bis(2-ethylhexyl)phthalate	400 U	420 U	420 U	370 U	410 U	246 J	410 U	390 U
Carbazole	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Chrysene	85.9 J	420 U	420 U	111 J	410 U	49.1 J	410 U	390 U
Di-n-butylphthalate	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Dibenz(a,h)anthracene	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Dibenzofuran	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Dimethylphthalate	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Fluoranthene	123 J	420 U	420 U	222 J	410 U	61.4 J	410 U	390 U
Fluorene	400 U	420 U	420 U	370 U	410 U	410 U	410 U	390 U
Indeno(1,2,3-cd)pyrene	61.3 J	420 U	420 U	111 J	410 U	49.1 J	410 U	390 U
Phenanthrene	73.6 J	420 U	420 U	111 J	410 U	410 U	410 U	390 U

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-03N01	NP-SB-03S01	NP-SB-03W01	NP-SB-0401	NP-SB-0501	NP-SB-0501-DUP	NP-SB-05E01	NP-SB-05N01
LOCATION:	NP-SB-03N	NP-SB-03S	NP-SB-03W	NP-SB-04	NP-SB-05	NP-SB-05	NP-SB-05E	NP-SB-05N
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:					NP-SB-0501-DUP	NP-SB-0501		
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Pyrene	123 J	420 U	38.2 J	222 J	410 U	61.4 J	410 U	390 U
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,1-Dichloroethane	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
1,3,5-Trimethylbenzene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
2-Butanone	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Acetone	6.2 U	6.4 U	3.84 B	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Benzene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Carbon Disulfide	6.2 U	6.4 U	1.15 J	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Ethylbenzene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Methylene Chloride	3.7 B	3.85 B	3.84 B	3.33 B	4.98 B	4.91 B	6.21 B	5.95 B
Naphthalene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 UJ	6.1 UJ	6.2 UJ	5.9 UJ
P-isopropyltoluene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Toluene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U
Trichloroethene	6.2 U	6.4 U	6.4 U	5.6 U	6.2 U	6.1 U	6.2 U	5.9 U

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-03N01	NP-SB-03S01	NP-SB-03W01	NP-SB-0401	NP-SB-0501	NP-SB-0501-DUP	NP-SB-05E01	NP-SB-05N01
LOCATION:	NP-SB-03N	NP-SB-03S	NP-SB-03W	NP-SB-04	NP-SB-05	NP-SB-05	NP-SB-05E	NP-SB-05N
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:					NP-SB-0501-DUP	NP-SB-0501		
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
4,4'-DDD	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
4,4'-DDE	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
4,4'-DDT	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
Aldrin	2.1 U	2.2 U	2.2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Alpha-Chlordane	2.1 U	2.2 U	2.2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Aroclor-1254	40 U	42 U	42 U	37 U	41 U	41 U	41 U	39 U
Aroclor-1260	40 U	42 U	42 U	37 U	41 U	41 U	41 U	39 U
Beta-BHC	2.1 U	2.2 U	2.2 U	6.56 R	2.1 U	2.1 U	2.1 U	2 U
Delta-BHC	2.1 U	2.2 U	2.2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Dieldrin	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
Endosulfan II	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
Endosulfan Sulfate	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
Endrin Aldehyde	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U
Endrin Ketone	4 U	4.2 U	4.2 U	3.7 U	4.1 U	4.1 U	4.1 U	3.9 U

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NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-03N01	NP-SB-03S01	NP-SB-03W01	NP-SB-0401	NP-SB-0501	NP-SB-0501-DUP	NP-SB-05E01	NP-SB-05N01
LOCATION:	NP-SB-03N	NP-SB-03S	NP-SB-03W	NP-SB-04	NP-SB-05	NP-SB-05	NP-SB-05E	NP-SB-05N
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:					NP-SB-0501-DUP	NP-SB-0501		
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Gamma-Chlordane	2.1 U	2.2 U	2.2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Heptachlor Epoxide	2.1 U	2.2 U	2.2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-05S01	NP-SB-05S02	NP-SB-05W01	NP-SB-0601	NP-SB-0701	NP-SB-0801	NP-SB-0901	NP-SB-0901-DUP
LOCATION	NP-SB-05S	NP-SB-05S	NP-SB-05W	NP-SB-06	NP-SB-07	NP-SB-08	NP-SB-09	NP-SB-09
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SB-0901-DUP	NP-SB-0901
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	183000	n/a	237000	13400	11500	16200	13600	13200
Antimony	0.3 U	n/a	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Arsenic	4.2	n/a	2.5	6.4	4	7.9	3.5	3
Barium	145	n/a	148	159	1.88	116	85.5	86.2
Beryllium	0.6	n/a	0.8	1.3	0.8	1.1	1.3	1.2
Cadmium	0.5 U	n/a	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	2240	n/a	2030	1260	2340	2380	685	692
Chromium	24.9	n/a	30.3	29.7	25.2	37.1	26.2	23.6
Cobalt	5.4	n/a	9.1	17.5	7.7	11.2	11.2	13.8
Copper	10.4	n/a	11.9	19.3	12.1	20.2	17.9	15.6
Iron	20400	n/a	29800	33600	18700	48400	30200	26900
Lead	15.7	n/a	16	14	18.1	21.1	9.7	10.8
Magnesium	2180	n/a	2480	3350	2600	2530	3180	3100
Manganese	157	n/a	217	362	568	285	204	298
Mercury	0.1	n/a	0.2	0.1 U	0.1 U	0.1 U	0.1 U	0.1

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-05S01	NP-SB-05S02	NP-SB-05W01	NP-SB-0601	NP-SB-0701	NP-SB-0801	NP-SB-0901	NP-SB-0901-DUP
LOCATION:	NP-SB-05S	NP-SB-05S	NP-SB-05W	NP-SB-06	NP-SB-07	NP-SB-08	NP-SB-09	NP-SB-09
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SB-0901-DUP	NP-SB-0901
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Nickel	9.7	n/a	13.2	24	26.4	15.7	17.7	16.4
Potassium	614	n/a	979	960	632	1030	1040	1130
Selenium	0.3 U	n/a	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Sodium	100 U	n/a	103	106	114	109	132	127
Thallium	0.3 U	n/a	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vanadium	40.9	n/a	43.8	43	32.7	45.3	45.4	40.9
Zinc	34.7	n/a	32.6	45	34.1	38.4	41.6	40.7
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2-Methylnaphthalene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
4-Methylphenol	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Acenaphthene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Acenaphthylene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Anthracene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Benzo(a)anthracene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Benzo(a)pyrene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U

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NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-05S01	NP-SB-05S02	NP-SB-05W01	NP-SB-0601	NP-SB-0701	NP-SB-0801	NP-SB-0901	NP-SB-0901-DUP
LOCATION:	NP-SB-05S	NP-SB-05S	NP-SB-05W	NP-SB-06	NP-SB-07	NP-SB-08	NP-SB-09	NP-SB-09
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SB-0901-DUP	NP-SB-0901
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Benzo(b)fluoranthene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Benzo(g,h,i)perylene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Benzo(k)fluoranthene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Benzoic Acid	2000 U	n/a	2100 U	2000 U	2100 U	2000 U	1900 U	1900 U
Bis(2-ethylhexyl)phthalate	400 U	n/a	410 U	390 U	410 U	36.2 J	380 U	380 U
Carbazole	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Chrysene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Di-n-butylphthalate	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Dibenz(a,h)anthracene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Dibenzofuran	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Dimethylphthalate	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Fluoranthene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Fluorene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Indeno(1,2,3-cd)pyrene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
Phenanthrene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-05S01	NP-SB-05S02	NP-SB-05W01	NP-SB-0601	NP-SB-0701	NP-SB-0801	NP-SB-0901	NP-SB-0901-DUP
LOCATION:	NP-SB-05S	NP-SB-05S	NP-SB-05W	NP-SB-06	NP-SB-07	NP-SB-08	NP-SB-09	NP-SB-09
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SB-0901-DUP	NP-SB-0901
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Pyrene	400 U	n/a	410 U	390 U	410 U	400 U	380 U	380 U
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,1-Dichloroethane	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	5.7 U	n/a
1,3,5-Trimethylbenzene	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	5.7 U	n/a
2-Butanone	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	3.41 B	n/a
Acetone	n/a	2.4 B	6.3 U	4.69 B	3.69 B	n/a	14.8 B	n/a
Benzene	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	5.7 U	n/a
Carbon Disulfide	n/a	6 U	6.3 U	5.9 UJ	6.1 U	n/a	5.7 U	n/a
Ethylbenzene	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	5.7 U	n/a
Methylene Chloride	n/a	4.79 B	5.02	2.35 B	6.1 U	n/a	5.68 B	n/a
Naphthalene	400 U	6 UJ	6.3 UJ	5.9 U	6.1 U	400 U	5.7 UJ	380 U
P-isopropyltoluene	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	5.7 U	n/a
Toluene	n/a	6 U	0.753 J	5.9 U	6.1 U	n/a	5.7 U	n/a
Trichloroethene	n/a	6 U	6.3 U	5.9 U	6.1 U	n/a	5.7 U	n/a

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I D.:	NP-SB-05S01	NP-SB-05S02	NP-SB-05W01	NP-SB-0601	NP-SB-0701	NP-SB-0801	NP-SB-0901	NP-SB-0901-DUP
LOCATION:	NP-SB-05S	NP-SB-05S	NP-SB-05W	NP-SB-06	NP-SB-07	NP-SB-08	NP-SB-09	NP-SB-09
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SB-0901-DUP	NP-SB-0901
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
4,4'-DDD	4 U	n/a	4.1 U	3.9 U	4.1 U	4 U	3.8 U	3.8 U
4,4'-DDE	4 U	n/a	4.1 U	3.9 U	4.1 U	4 U	3.8 U	3.8 U
4,4'-DDT	4 U	n/a	4.1 U	5.75 R	7	4.35	3.8 U	3.8 U
Aldrin	2.1 U	n/a	2.1 U	2 U	2.1 U	2.1 U	2 U	1.9 U
Alpha-Chlordane	2.1 U	n/a	2.1 U	2 U	2.1 U	2.1 U	2 U	1.9 U
Aroclor-1254	40 U	n/a	41 U	39 U	41 U	40 U	38 U	38 U
Aroclor-1260	40 U	n/a	41 U	39 U	41 U	40 U	38 U	38 U
Beta-BHC	2.1 U	n/a	2.1 U	2 U	2.1 U	2.1 U	2 U	1.9 U
Delta-BHC	2.1 U	n/a	2.1 U	2 U	2.1 U	2.1 U	2 U	1.9 U
Dieldrin	4 U	n/a	4.1 U	3.9 U	4.1 U	4 U	3.8 U	3.8 U
Endosulfan II	4 U	n/a	4.1. U	3.9 U	4.1 U	4 U	3.8 U	3.8 U
Endosulfan Sulfate	4 U	n/a	4.1 U	3.9 U	4.1 U	4 U	3.8 U	3.8 U
Endrin Aldehyde	4 U	n/a	4.1 U	3.9 U	4.1 U	4 U	3.8 U	3.8 U
Endrin Ketone	4 U	n/a	4.1 U	3.9 U	4.1 U	4 U	3.8 U	3.8 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-05S01	NP-SB-05S02	NP-SB-05W01	NP-SB-0601	NP-SB-0701	NP-SB-0801	NP-SB-0901	NP-SB-0901-DUP
LOCATION	NP-SB-05S	NP-SB-05S	NP-SB-05W	NP-SB-06	NP-SB-07	NP-SB-08	NP-SB-09	NP-SB-09
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SB-0901-DUP	NP-SB-0901
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Gamma-Chlordane	2.1 U	n/a	2.1 U	2 U	2.1 U	2.1 U	2 U	1.9 U
Heptachlor Epoxide	2.1 U	n/a	2.1 U	2 U	2.1 U	2.1 U	2 U	1.9 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-1001	NP-SB-1101	NP-SB-BG0101	NP-SB-BG0301	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03-DUP
LOCATION:	NP-SB-10	NP-SB-11	NP-SB-BG01	NP-SB-BG03	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SS-03-DUP	NP-SS-03
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	10800	14800	13400	12800	9930	16000	15000	13100
Antimony	0.3 U	0.3 U	0.3 U	0.3	2.9	0.4	1.3	1.5
Arsenic	4.2	3.5	6	5.9	7.6	7.6	15.7	16.4
Barium	87.9	164	138	107	193	114	104	98.4
Beryllium	0.9	1.9	1.1	1	0.7	0.9	0.7	0.8
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.6	0.5 U
Calcium	2670	2280	1360	10500	11000	21700	11100	10300
Chromium	23.8	31.1	30.5	21.5	34.4	50.2	61.3	63.2
Cobalt	22.5	22.3	22.6	11	10.5	12.8	10.2	12.9
Copper	16.1	21.5	26.1	21.5	42.5	50.2	64.4	113
Iron	24200	36400	35200	22300	21600	83100	64100	70300
Lead	26.2	17.3	17.1	266	1260	11400	32100	58300
Magnesium	2940	3830	3120	6130	4540	6960	5100	6260
Manganese	475	866	522	625	1140	970	426	554
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-1001	NP-SB-1101	NP-SB-BG0101	NP-SB-BG0301	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03-DUP
LOCATION:	NP-SB-10	NP-SB-11	NP-SB-BG01	NP-SB-BG03	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SS-03-DUP	NP-SS-03
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Nickel	16.1	36.8	17.2	16.8	29	30	31.3	44.9
Potassium	707	1160	924	805	1620	2150	1430	1250
Selenium	0.3 U	0.3 U	0.3 U	0.5	0.3 U	0.5	1.4	0.8
Sodium	168	176	102	151	202	706	291	239
Thallium	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vanadium	36	44.1	47.5	34.3	31.5	43	60.2	58.5
Zinc	40.8	58.3	45.9	117	481	1.55	224	199
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2-Methylnaphthalene	390 U	380 U	400 U	420 U	500 U	2190	331 J	5600 U
4-Methylphenol	390 U	380 U	400 U	420 U	500 U	74.1 J	2200 U	5600 U
Acenaphthene	390 U	380 U	400 U	420 U	500 U	3440	497 J	5600 U
Acenaphthylene	390 U	380 U	400 U	420 U	500 U	2230	662 J	5600 U
Anthracene	390 U	380 U	400 U	420 U	500 U	6300 J	2200 U	5600 U
Benzo(a)anthracene	390 U	380 U	400 U	63.4 J	90.1 J	21700 J	2240	5600 U
Benzo(a)pyrene	390 U	380 U	400 U	76 J	135 J	22500	2200 U	2870 J

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-1001	NP-SB-1101	NP-SB-BG0101	NP-SB-BG0301	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03-DUP
LOCATION:	NP-SB-10	NP-SB-11	NP-SB-BG01	NP-SB-BG03	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SS-03-DUP	NP-SS-03
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Benzo(b)fluoranthene	390 U	380 U	400 U	88.7 J	135 J	17500	3180	5600 U
Benzo(g,h,i)perylene	390 U	380 U	400 U	38 J	135 J	13600	4110	5400 J
Benzo(k)fluoranthene	390 U	380 U	400 U	50.7 J	120 J	17500	2680	5600 U
Benzoic Acid	2000 U	1900 U	2000 U	2100 U	751 J	2100 U	11000 U	28000 U
Bis(2-ethylhexyl)phthalate	390 U	380 U	36.1 J	420 U	1250	3840	3490	5600 U
Carbazole	390 U	380 U	400 U	420 U	500 U	4060	2200 U	5600 U
Chrysene	390 U	380 U	400 U	76 J	120 J	24000	3440	5600 U
Di-n-butylphthalate	390 U	380 U	400 U	420 U	500 U	410 U	2200 U	5600 U
Dibenz(a,h)anthracene	390 U	380 U	400 U	420 U	45 J	6170 J	2200 U	1010 J
Dibenzofuran	390 U	380 U	400 U	420 U	500 U	2160	2200 U	5600 U
Dimethylphthalate	390 U	380 U	400 U	420 U	500 U	410 U	2200 U	5600 U
Fluoranthene	390 U	380 U	400 U	127 J	150 J	43600	3660	5230 J
Fluorene	390 U	380 U	400 U	420 U	500 U	3530	497 J	5600 U
Indeno(1,2,3-cd)pyrene	390 U	380 U	400 U	420 U	105 J	12000	3100	3880 J
Phenanthrene	390 U	380 U	400 U	76 J	135 J	28300	4800	3370 J

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-1001	NP-SB-1101	NP-SB-BG0101	NP-SB-BG0301	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03-DUP
LOCATION:	NP-SB-10	NP-SB-11	NP-SB-BG01	NP-SB-BG03	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SS-03-DUP	NP-SS-03
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Pyrene	390 U	380 U	400 U	127 J	150 J	44200	13200	9600
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,1-Dichloroethane	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
1,3,5-Trimethylbenzene	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
2-Butanone	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
Acetone	5.9 U	5.7 U	6 U	6.3 U	7.5 U	2.47 B	8.3 U	8.4 U
Benzene	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
Carbon Disulfide	5.9 U	1.15 J	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
Ethylbenzene	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
Methylene Chloride	3.57 B	2.29 B	6.02 B	7.6 B	9.01 B	0.741 B	8.3 U	5.06 B
Naphthalene	5.9 U	5.7 U	6 UJ	6.3 UJ	90.1 J	3000	497 J	8.4 U
P-isopropyltoluene	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
Toluene	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U
Trichloroethene	5.9 U	5.7 U	6 U	6.3 U	7.5 U	6.2 U	8.3 U	8.4 U

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NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-1001	NP-SB-1101	NP-SB-BG0101	NP-SB-BG0301	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03-DUP
LOCATION:	NP-SB-10	NP-SB-11	NP-SB-BG01	NP-SB-BG03	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SS-03-DUP	NP-SS-03
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
4,4'-DDD	3.9 U	3.8 U	4 U	4.2 U	5 U	76.5	11 U	11 U
4,4'-DDE	3.9 U	3.8 U	4 U	4.2 U	5 U	43.2 R	11 U	11 U
4,4'-DDT	3.9 U	3.8 U	4 U	4.2 U	5 U	32.1 R	69.5 R	111 R
Aldrin	2 U	1.9 U	2 U	2.2 U	13.5 R	59.3	29.8 R	5.7 U
Alpha-Chlordane	2 U	1.9 U	2 U	2.2 U	2.6 U	2.1 U	24.8 R	5.7 U
Aroclor-1254	39 U	38 U	40 U	42 U	50 U	41 U	110 U	110 U
Aroclor-1260	39 U	38 U	40 U	42 U	50 U	80.2	131	125
Beta-BHC	2 U	1.9 U	2 U	2.2 U	12.6 R	2.1 U	49.7 R	5.7 U
Delta-BHC	2 U	1.9 U	2 U	2.2 U	2.6 U	29.6 R	5.6 U	5.7 U
Dieldrin	3.9 U	3.8 U	4 U	4.2 U	73.6 R	4.1 U	11 U	11 U
Endosulfan II	3.9 U	3.8 U	4 U	4.2 U	5 U	53.1 R	34.8 R	108 R
Endosulfan Sulfate	3.9 U	3.8 U	4 U	4.2 U	5 U	23.5 R	11 U	11 U
Endrin Aldehyde	3.9 U	3.8 U	4 U	4.2 U	5 U	21 R	31.5 J	11 U
Endrin Ketone	3.9 U	3.8 U	4 U	4.2 U	5 U	93.8 J	33.1 R	11 U

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NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-1001	NP-SB-1101	NP-SB-BG0101	NP-SB-BG0301	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03-DUP
LOCATION:	NP-SB-10	NP-SB-11	NP-SB-BG01	NP-SB-BG03	NP-SS-01	NP-SS-02	NP-SS-03	NP-SS-03
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:							NP-SS-03-DUP	NP-SS-03
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Gamma-Chlordane	2 U	1.9 U	2 U	2.2 U	2.6 U	704 R	92.7 R	40.5 R
Heptachlor Epoxide	2 U	1.9 U	2 U	2.2 U	2.6 U	39.5 R	5.6 U	5.7 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
LOCATION:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Background	Background
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	10800	16800	15800	9450	17300	16800	11000	13500
Antimony	2.1	9.2	0.5	0.3 U	0.3 U	0.4	0.7	0.5
Arsenic	17.1	9.5	3.3	18	7.8	2.2	10	4.5
Barium	241	908	159	192	140	166	162	118
Beryllium	1.1	0.8	1	1.4	0.8	1.2	0.8	0.9
Cadmium	0.5 U	7.7	0.7	0.5 U	0.5 U	0.5 U	2.3	0.5
Calcium	12700	8610	2460	8560	2340	4210	9770	11700
Chromium	104	77.1	31.8	23.2	28.2	26.4	25.2	21
Cobalt	22.3	13.4	11	17.4	9	12.4	12.6	12.6
Copper	104	242	24.6	11.3	19.6	24.3	92.3	13.9
Iron	137000	30400	32300	58200	23100	18800	37700	23100
Lead	20300	2660	2920	1860	58.5	113	391	72.2
Magnesium	8130	3580	2380	941	2470	4320	3020	5550
Manganese	1230	770	370	1220	262	959	568	1050
Mercury	0.1 U	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.1

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
LOCATION:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Background	Background
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Nickel	102	39.4	29.4	7.2	15.9	20.1	19.1	14
Potassium	2160	1390	1090	300	830	954	848	1200
Selenium	0.3 U	1.4	0.3 U	0.6	0.3 U	0.3 U	0.8	0.3 U
Sodium	203	384	100 U	107	100 U	113	168	100 U
Thallium	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vanadium	53.7	54.6	47.1	59.8	39.6	32.1	49	33.2
Zinc	528	753	119	94.3	109	114	396	112
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2-Methylnaphthalene	42.9 J	142 J	430 U	440 U	51 J	40.6 J	62.1 J	470 U
4-Methylphenol	350 U	5200 U	430 U	440 U	420 U	450 U	510 U	470 U
Acenaphthene	350 U	949 J	64.9 J	440 U	420 U	94.7 J	466 J	71 3 J
Acenaphthylene	350 U	127 J	430 U	440 U	420 U	450 U	510 U	470 U
Anthracene	53.6 J	2220 J	77.8 J	440 U	63.8 J	135 J	466 J	99 9 J
Benzo(a)anthracene	215 J	12900	259 J	53.5 J	383 J	609	1610	485
Benzo(a)pyrene	215 J	17100	259 J	53.5 J	434	609	1480	485

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
LOCATION:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Background	Background
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Benzo(b)fluoranthene	215 J	17600	259 J	53.5 J	561	731	1610	485
Benzo(g,h,i)perylene	215 J	13900	130 J	440 U	255 J	474	714	285 J
Benzo(k)fluoranthene	215 J	13400	259 J	66.9 J	383 J	568	1400	428 J
Benzoic Acid	215 J	26000 U	2200 U	2200 U	2100 U	406 J	2600 U	2400 U
Bis(2-ethylhexyl)phthalate	3200	32300	7760	40.2 J	25000	8000	5050	3570
Carbazole	53.6 J	2220 J	90.8 J	440 U	51 J	122 J	466 J	85.6 J
Chrysene	215 J	14200	389 J	80.3 J	459	650	1680	528
Di-n-butylphthalate	350 U	633 J	430 U	440 U	102 J	67.7 J	93.2 J	285 J
Dibenz(a,h)anthracene	350 U	5350	430 U	440 U	420 U	271 J	311 J	143 J
Dibenzofuran	350 U	475 J	430 U	440 U	420 U	40.6 J	155 J	470 U
Dimethylphthalate	107 J	5200 U	430 U	440 U	420 U	450 U	510 U	470 U
Fluoranthene	354	22200	636	120 J	727	1080	3430	1160
Fluorene	350 U	633 J	38.9 J	440 U	420 U	81.2 J	311 J	42.8 J
Indeno(1,2,3-cd)pyrene	215 J	12000	130 J	440 U	255 J	406 J	761	285 J
Phenanthrene	215 J	9890	389 J	80.3 J	383 J	717	2470	571

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
LOCATION:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Background	Background
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Pyrene	494	27200	636	107 J	880	1160	3200	870
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,1-Dichloroethane	5.4 U	10.6	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
1,3,5-Trimethylbenzene	5.4 U	6.33 J	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
2-Butanone	5.4 U	3.16 B	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
Acetone	5.4 U	7.9 U	6.5 U	6.7 U	6.4 U	6.77 B	7.8 U	7.1 U
Benzene	5.4 U	3.16 J	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
Carbon Disulfide	5.4 UJ	7.9 U	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
Ethylbenzene	5.4 U	24.1	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
Methylene Chloride	2.15 B	9.49 B	6.5 U	6.7 U	6.4 U	8.12 B	4.66 B	7.1 U
Naphthalene	42.9 J	316 J	6.5 U	6.7 U	6.4 U	6.8 UJ	155 J	7.1 U
P-isopropyltoluene	5.4 U	7.9 U	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
Toluene	5.4 U	565	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U
Trichloroethene	5.4 U	4.75 J	6.5 U	6.7 U	6.4 U	6.8 U	7.8 U	7.1 U

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
LOCATION:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Background	Background
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
4,4'-DDD	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	4.7 U
4,4'-DDE	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	4.7 U
4,4'-DDT	23.6 R	10 U	4.3 U	4.4 U	24.2 R	4.5 U	10 U	4.7 U
Aldrin	1.8 U	5.4 U	2.2 U	6.83	2.2 U	2.3 U	5.3 U	2.4 U
Alpha-Chlordane	1.8 U	5.4 U	2.2 U	2.3 U	2.2 U	2.3 U	5.3 U	2.4 U
Aroclor-1254	91.2	100 U	43 U	44 U	42 U	45 U	373	47 U
Aroclor-1260	70.8	364	43 U	44 U	42 U	45 U	326	47 U
Beta-BHC	1.8 U	5.4 U	2.2 U	2.3 U	2.2 U	2.3 U	5.3 U	2.4 U
Delta-BHC	1.8 U	5.4 U	2.2 U	2.3 U	2.2 U	2.3 U	5.3 U	2.4 U
Dieldrin	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	4.7 U
Endosulfan II	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	4.7 U
Endosulfan Sulfate	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	143
Endrin Aldehyde	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	4.7 U
Endrin Ketone	3.5 U	10 U	4.3 U	4.4 U	4.2 U	4.5 U	10 U	4.7 U

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
LOCATION:	NP-SS-04	NP-SS-05	NP-SS-06	NP-SS-07	NP-SS-08	NP-SS-09	NP-SS-BG01	NP-SS-BG02
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Background	Background
MEDIA DESCRIPTION:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
MATCHING DUPLICATE I.D.:								
PESTICIDES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Gamma-Chlordane	1.8 U	5.4 U	2.2 U	30.8 R	11.7	2.3 U	5.3 U	2.4 U
Heptachlor Epoxide	1.8 U	5.4 U	2.2 U	2.3 U	2.2 U	2.3 U	5.3 U	2.4 U

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TABLE 2

ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-BG03	---	---	---	---	---	---	---
LOCATION:	NP-SS-BG03	---	---	---	---	---	---	---
DEPTH (FEET):	n/a							
SAMPLE DATE:								
AREA OF INTEREST:	Background							
MEDIA DESCRIPTION:	Surface Soil							
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**							
Aluminum	16900							
Antimony	0.6							
Arsenic	4.8							
Barium	165							
Beryllium	1							
Cadmium	1.2							
Calcium	14500							
Chromium	27.2							
Cobalt	10.4							
Copper	39.6							
Iron	21100							
Lead	5520							
Magnesium	5660							
Manganese	953							
Mercury	0.1							

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-BG03	---	---	---	---	---	---	---
LOCATION:	NP-SS-BG03	---	---	---	---	---	---	---
DEPTH (FEET):	n/a							
SAMPLE DATE:								
AREA OF INTEREST:	Background							
MEDIA DESCRIPTION:	Surface Soil							
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**							
Nickel	23.8							
Potassium	1050							
Selenium	0.7							
Sodium	615							
Thallium	0.3 U							
Vanadium	36.7							
Zinc	240							
SEMIVOLATILES	**ug/kg**							
2-Methylnaphthalene	161 J							
4-Methylphenol	1100 U							
Acenaphthene	963 J							
Acenaphthylene	64.2 J							
Anthracene	1320							
Benzo(a)anthracene	5390							
Benzo(a)pyrene	5060							

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-BG03	---	---	---	---	---	---	---
LOCATION:	NP-SS-BG03	---	---	---	---	---	---	---
DEPTH (FEET):	n/a							
SAMPLE DATE:								
AREA OF INTEREST:	Background							
MEDIA DESCRIPTION:	Surface Soil							
MATCHING DUPLICATE I.D.:								
SEMIVOLATILES	**ug/kg**							
Benzo(b)fluoranthene	7220							
Benzo(g,h,i)perylene	2600							
Benzo(k)fluoranthene	3560							
Benzoic Acid	5400 U							
Bis(2-ethylhexyl)phthalate	2040							
Carbazole	1410							
Chrysene	5990							
Di-n-butylphthalate	1100 U							
Dibenz(a,h)anthracene	1250							
Dibenzofuran	482 J							
Dimethylphthalate	1100 U							
Fluoranthene	10600							
Fluorene	642 J							
Indeno(1,2,3-cd)pyrene	2630							
Phenanthrene	7210							

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-BG03	---	---	---	---	---	---	---
LOCATION:	NP-SS-BG03	---	---	---	---	---	---	---
DEPTH (FEET):	n/a							
SAMPLE DATE:								
AREA OF INTEREST:	Background							
MEDIA DESCRIPTION:	Surface Soil							
MATCHING DUPLICATE I.D.:								
SEMIVOLATILES	**ug/kg**							
Pyrene	15700							
VOLATILES	**ug/kg**							
1,1-Dichloroethane	8 U							
1,3,5-Trimethylbenzene	8 U							
2-Butanone	8 U							
Acetone	8 U							
Benzene	8 U							
Carbon Disulfide	8 U							
Ethylbenzene	8 U							
Methylene Chloride	4.82 B							
Naphthalene	482 J							
P-isopropyltoluene	8 U							
Toluene	8 U							
Trichloroethene	8 U							

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-BG03	---	---	---	---	---	---	---
LOCATION:	NP-SS-BG03	---	---	---	---	---	---	---
DEPTH (FEET):	n/a							
SAMPLE DATE:								
AREA OF INTEREST:	Background							
MEDIA DESCRIPTION:	Surface Soil							
MATCHING DUPLICATE I.D.:								
PESTICIDES	**ug/kg**							
4,4'-DDD	11 U							
4,4'-DDE	11 U							
4,4'-DDT	11 U							
Aldrin	5.5 U							
Alpha-Chlordane	5.5 U							
Aroclor-1254	110 U							
Aroclor-1260	110 U							
Beta-BHC	5.5 U							
Delta-BHC	5.5 U							
Dieldrin	11 U							
Endosulfan II	11 U							
Endosulfan Sulfate	11 U							
Endrin Aldehyde	11 U							
Endrin Ketone	11 U							

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ANALYTICAL RESULTS FOR SURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SS-BG03	---	---	---	---	---	---	---
LOCATION:	NP-SS-BG03	---	---	---	---	---	---	---
DEPTH (FEET):	n/a							
SAMPLE DATE:								
AREA OF INTEREST:	Background							
MEDIA DESCRIPTION:	Surface Soil							
MATCHING DUPLICATE I.D.:								
PESTICIDES	**ug/kg**							
Gamma-Chlordane	5.5 U							
Heptachlor Epoxide	5.5 U							

NOTES:

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UL	--	Not detected, quantitation limit is probably higher.
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K	--	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
B	--	Not detected substantially above the level reported in laboratory or field blanks.
R	--	Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

TABLE 3

ANALYTICAL RESULTS FOR SUBSURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0102	NP-SB-01E02	NP-SB-0402	NP-SB-0804	NP-SB-0903	---	---	---
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-04	NP-SB-08	NP-SB-09	---	---	---
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a			
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2			
MEDIA DESCRIPTION:	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil			
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**			
Aluminum	n/a	n/a	29000	n/a	n/a			
Arsenic	n/a	n/a	7.4	n/a	n/a			
Barium	n/a	n/a	194	n/a	n/a			
Beryllium	n/a	n/a	1.2	n/a	n/a			
Calcium	n/a	n/a	1810	n/a	n/a			
Chromium	n/a	n/a	44.7	n/a	n/a			
Cobalt	n/a	n/a	8.4	n/a	n/a			
Copper	n/a	n/a	20.1	n/a	n/a			
Iron	n/a	n/a	44200	n/a	n/a			
Lead	n/a	n/a	38.8	n/a	n/a			
Magnesium	n/a	n/a	3190	n/a	n/a			
Manganese	n/a	n/a	114	n/a	n/a			
Nickel	n/a	n/a	19.6	n/a	n/a			
Potassium	n/a	n/a	1540	n/a	n/a			
Sodium	n/a	n/a	145	n/a	n/a			

NOTES:

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TABLE 3

ANALYTICAL RESULTS FOR SUBSURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0102	NP-SB-01E02	NP-SB-0402	NP-SB-0804	NP-SB-0903	---	---	---
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-04	NP-SB-08	NP-SB-09	---	---	---
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a			
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2			
MEDIA DESCRIPTION:	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil			
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**			
Vanadium	n/a	n/a	61.4	n/a	n/a			
Zinc	n/a	n/a	43.1	n/a	n/a			
SEMIVOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**			
Chrysene	n/a	n/a	117 J	n/a	n/a			
Fluoranthene	n/a	n/a	64.9 J	n/a	n/a			
Phenanthrene	n/a	n/a	51.9 J	n/a	n/a			
Pyrene	n/a	n/a	130 J	n/a	n/a			
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**			
1,2,4-Trimethylbenzene	6.2 U	38.8	21.9	5.4 U	5.7 U			
1,3,5-Trimethylbenzene	6.2 U	7.52	26.5	5.4 U	5.7 U			
1,4-Dichlorobenzene	6.2 U	4.56 J	430 U	5.4 U	5.7 U			
Acetone	2.46 B	5.7 U	6.5 U	5.4 U	3.4 B			
Carbon Disulfide	6.2 U	5.7 U	6.5 U	5.4 U	0.793 J			
Chloroform	6.2 U	5.7 U	6.5 U	5.4 U	0.68 B			
Ethylbenzene	6.2 U	2.28 J	2.6 J	5.4 U	5.7 U			

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TABLE 3

ANALYTICAL RESULTS FOR SUBSURFACE SOIL

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SB-0102	NP-SB-01E02	NP-SB-0402	NP-SB-0804	NP-SB-0903	---	---	---
LOCATION:	NP-SB-01	NP-SB-01E	NP-SB-04	NP-SB-08	NP-SB-09	---	---	---
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a			
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2			
MEDIA DESCRIPTION:	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil			
MATCHING DUPLICATE I.D.:								
VOLATILES	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**			
Isopropylbenzene	6.2 U	1.14 J	5.19 J	5.4 U	5.7 U			
Methylene Chloride	0.739 B	5.7 U	2.6 B	5.4 U	5.66 B			
N-Butylbenzene	6.2 U	5.7 U	11.8	5.4 U	5.7 U			
N-Propylbenzene	6.2 U	4.56 J	7.4	5.4 U	5.7 U			
Naphthalene	6.2 U	7.97	3.9 J	5.4 U	5.7 UJ			
P-isopropyltoluene	6.2 U	2.28 J	3.9 J	5.4 U	5.7 U			
Sec-butylbenzene	6.2 U	5.7 U	3.9 J	5.4 U	5.7 U			
Tetrachloroethene	6.2 U	0.797 J	6.5 U	5.4 U	5.7 U			
Toluene	6.2 U	5.7 U	6.5 U	5.4 U	1.13 J			
Trichloroethene	6.2 U	5.7 U	6.5 U	1.09 J	5.7 U			

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TABLE 4

ANALYTICAL RESULTS FOR SURFACE WATER

NORTH PENN AREA 2

SAMPLE I.D.:	NP-BG-SW04	NP-SW-03	NP-SW-03-DUP	NP-SW-09	NP-SW-15	NP-SW-20	NP-SW-30	NP-SW-31
LOCATION:	NP-BG-SW04	NP-SW-03	NP-SW-03	NP-SW-09	NP-SW-15	NP-SW-20	NP-SW-30	NP-SW-31
SAMPLE DATE:								
AREA OF INTEREST:	Background	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
MATCHING DUPLICATE I.D.:		NP-SW-03-DUP	NP-SW-03					
INORGANICS	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Aluminum	200 U	347	264	231	200 U	369	200 U	200 U
Calcium	35700	18400	17900	24800	38800	41900	40600	41300
Iron	103	989	842	684	100 U	883	100 U	100 U
Lead	3 U	11	12	27	3 U	10	3 U	3 U
Magnesium	11700	4640	4540	5660	11200	11800	13400	13300
Manganese	19	69	68	70	10 U	97	22	21
Potassium	2150	1000 U	1040	1000 U	2160	1970	1810	2080
Sodium	26200	15400	15000	9960	30300	28400	29100	29500
Zinc	20 U	22	20 U	20 U	20 U	20 U	20 U	20 U

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TABLE 4

ANALYTICAL RESULTS FOR SURFACE WATER

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SW-32	---	---	---	---	---	---	---
LOCATION:	NP-SW-32	---	---	---	---	---	---	---
SAMPLE DATE:								
AREA OF INTEREST:	Area 2							
MEDIA DESCRIPTION:	Surface Water							
MATCHING DUPLICATE I.D.:								
INORGANICS	**ug/L**							
Aluminum	576							
Calcium	10400							
Iron	948							
Lead	13							
Magnesium	2670							
Manganese	70							
Potassium	1000 U							
Sodium	1930							
Zinc	20 U							

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-19	NP-SD-01	NP-SD-02	NP-SD-03	NP-SD-04	NP-SD-04-DUP	NP-SD-05	NP-SD-06
LOCATION:	NP-S9-19	NP-SD-01	NP-SD-02	NP-SD-03	NP-SD-04	NP-SD-04	NP-SD-05	NP-SD-06
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:					NP-SD-04-DUP	NP-SD-04		
MISCELLANEOUS PARAMETERS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Total Organic Carbon	53600 J	55100 J	33900 J	39400 J	61000 J	57800 J	71100 J	17500 J
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	11100	14600	15800	8490	18200	20400	8380	10800
Antimony	0.4	0.6	0.4	1.6	1	0.9	3.7	0.4
Arsenic	7.2	6.1	3.7	36.3	6.9	7.4	25.6	6.4
Barium	177	235	220	348	426	435	174	162
Beryllium	0.6	1.3	0.9	0.4	1.3	1.3	0.9	0.9
Cadmium	1	0.8	0.5 U	0.5 U	0.9	0.8	0.5	0.5 U
Calcium	24200	3580	2350	56700	9320	9900	9980	1410
Chromium	22.4	43.7	27.6	162	36.6	38.8	56.7	19.2
Cobalt	8.4	17.7	10.2	16.8	15.3	14.9	16.2	7.9
Copper	65	33.7	20.8	197	55.7	46.5	157	9.2
Iron	20700	40400	23400	160000	39700	40400	58800	24600
Lead	103	495	267	7890	1760	1730	239000	200
Magnesium	2620	3180	2480	1860	3130	3140	6450	1170

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-19	NP-SD-01	NP-SD-02	NP-SD-03	NP-SD-04	NP-SD-04-DUP	NP-SD-05	NP-SD-06
LOCATION:	NP-S9-19	NP-SD-01	NP-SD-02	NP-SD-03	NP-SD-04	NP-SD-04	NP-SD-05	NP-SD-06
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:					NP-SD-04-DUP	NP-SD-04		
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Manganese	505	463	258	2020	799	802	1700	291
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	17.7	24.5	18.8	211	29.5	32.3	47	8.2
Potassium	882	1560	1530	622	1500	1780	1380	458
Selenium	0.8	0.6	0.3 U	1.2	0.8	1.1	1.2	0.8
Silver	1 U	1 U	1 U	1	1 U	1 U	7.2	1 U
Sodium	225	203	142	172	206	214	190	100 U
Vanadium	30.3	50.6	37.6	29.9	44.6	48.1	42.3	41.6
Zinc	253	245	87.6	165	240	255	540	39.9

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-07	NP-SD-08	NP-SD-09	NP-SD-10	NP-SD-11	NP-SD-12	NP-SD-13	NP-SD-14
LOCATION:	NP-SD-07	NP-SD-08	NP-SD-09	NP-SD-10	NP-SD-11	NP-SD-12	NP-SD-13	NP-SD-14
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:								
MISCELLANEOUS PARAMETERS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Total Organic Carbon	117000 J	104000 J	30800 J	27200 J	50000 J	29800 J	33700 J	33100 J
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	9210	7350	20800	12000	14200	13200	18900	13800
Antimony	2.6	2	0.4	0.5	0.7	0.4	0.4	0.3 U
Arsenic	8.4	27.9	8.2	4.2	11	10.6	7	6.8
Barium	268	282	247	180	171	95.8	101	91.8
Beryllium	0.8	0.6	1.1	0.8	1.2	0.7	1	0.7
Cadmium	0.5 U	0.8	1.2	0.6	0.9	0.5 U	0.5 U	0.5 U
Calcium	2790	7510	9910	19500	10100	2310	1260	1140
Chromium	33.2	64.2	40.6	29.1	37.7	23.8	28.5	21.9
Cobalt	5	1740	15.1	11.5	15.1	8.7	11.5	8.2
Copper	36.1	63.2	37.8	31.8	58.4	16.1	13.4	9.3
Iron	14800	102000	60200	46500	49700	22200	26100	21700
Lead	4870	13400	4370	3260	450	468	480	39.4
Magnesium	1790	1740	2830	2040	9490	2280	2350	1700

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-07	NP-SD-08	NP-SD-09	NP-SD-10	NP-SD-11	NP-SD-12	NP-SD-13	NP-SD-14
LOCATION:	NP-SD-07	NP-SD-08	NP-SD-09	NP-SD-10	NP-SD-11	NP-SD-12	NP-SD-13	NP-SD-14
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Manganese	140	1010	1750	1390	1220	418	479	576
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.1	0.1 U
Nickel	17.8	51.2	32.2	24.4	30.9	15.4	15.6	10.1
Potassium	444	428	1290	736	1600	834	1370	630
Selenium	1	1.5	1.1	0.3 U	0.3 U	0.6	0.3	0.5
Silver	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	130	142	150	109	211	100 U	100 U	124
Vanadium	33	30.6	42.8	28.5	63	36.7	45.9	36.5
Zinc	79.4	319	338	185	354	102	89.3	49.3

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-15	NP-SD-15-DUP	NP-SD-16	NP-SD-17	NP-SD-18	NP-SD-20	NP-SD-21	NP-SD-22
LOCATION:	NP-SD-15	NP-SD-15	NP-SD-16	NP-SD-17	NP-SD-18	NP-SD-20	NP-SD-21	NP-SD-22
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:	NP-SD-15-DUP	NP-SD-15						
MISCELLANEOUS PARAMETERS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Total Organic Carbon	79000 J	74500 J	87300 J	78600 J	73900 J	29400 J	40600 J	82800 J
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	14300	15800	11900	17900	15300	13200	12600	13200
Antimony	0.8	0.7	0.6	0.8	0.7	0.3 U	0.3 U	0.3 U
Arsenic	8.3	7.8	12.1	10.2	11.8	5.3	6.2	5.3
Barium	173	150	180	202	176	191	184	110
Beryllium	0.9	1	1.1	1	0.9	0.6	0.6	0.6
Cadmium	2	1.7	0.6	2.3	1.5	0.7	0.6	0.5 U
Calcium	5310	3740	4530	4590	4890	28000	55800	3520
Chromium	41.1	42	25.7	42.3	36	21.8	21.4	20
Cobalt	10.5	12.2	15.2	13.7	11.8	8.4	8.2	6.4
Copper	224	152	47	189	163	29.5	43.8	10.2
Iron	21900	22200	29600	27000	27300	18900	17700	16800
Lead	91.4	79.9	94.6	93	86.9	311	186	57.5
Magnesium	4950	4940	2460	5090	4230	2560	3020	2070

NOTES:

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L -- Analyte present. Reported value may be biased low. Actual value is expected to be higher.
K -- Analyte present. Reported value may be biased high. Actual value is expected to be lower.
B -- Not detected substantially above the level reported in laboratory or field blanks.
R -- Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-15	NP-SD-15-DUP	NP-SD-16	NP-SD-17	NP-SD-18	NP-SD-20	NP-SD-21	NP-SD-22
LOCATION:	NP-SD-15	NP-SD-15	NP-SD-16	NP-SD-17	NP-SD-18	NP-SD-20	NP-SD-21	NP-SD-22
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:	NP-SD-15-DUP	NP-SD-15						
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Manganese	175	180	1190	213	704	502	461	524
Mercury	0.1 U	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	32.6	39.8	24.9	33	29.8	16.5	16.2	12.6
Potassium	1440	1680	1450	2220	1280	894	1040	856
Selenium	1.8	1.2	0.6	1.5	1.5	0.8	0.9	0.6
Silver	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	379	349	251	448	316	227	306	250
Vanadium	54.9	53.6	40	60.5	54.2	27.3	29.1	31.7
Zinc	445	475	208	549	407	165	177	90

NOTES:

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-23	NP-SD-24	NP-SD-25	NP-SD-26	NP-SD-27	NP-SD-28	NP-SD-29	NP-SD-30
LOCATION:	NP-SD-23	NP-SD-24	NP-SD-25	NP-SD-26	NP-SD-27	NP-SD-28	NP-SD-29	NP-SD-30
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:								
MISCELLANEOUS PARAMETERS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Total Organic Carbon	72100 J	98500 J	48000 J	6400 J	7300 J	86900 J	35700 J	59400 J
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	15400	10300	14300	12300	14500	14000	16200	11300
Antimony	0.3 U	2.6	0.6	0.3 U	0.3 U	0.6	0.4	0.5
Arsenic	8.1	11	0.8	6.4	0.8	2.8	5.5	14.5
Barium	112	105	132	95.9	124	424	174	179
Beryllium	0.7	0.7	0.8	0.6	0.9	1.3	1	1.3
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U
Calcium	1340	4470	3230	1320	1310	4340	2170	6620
Chromium	23.8	18.6	20.1	26.1	24.4	28.4	28.1	26.2
Cobalt	7.5	8.1	7.7	7.6	12.8	16.1	9.9	17.5
Copper	17	126	27.9	16.8	14.1	37.6	25.5	38.8
Iron	21000	28000	17500	29000	24900	37600	18600	33500
Lead	53.7	74.2	36.4	19.4	20.4	127	70	38.8
Magnesium	1940	2440	2520	2460	2570	3550	2650	4760

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-23	NP-SD-24	NP-SD-25	NP-SD-26	NP-SD-27	NP-SD-28	NP-SD-29	NP-SD-30
LOCATION:	NP-SD-23	NP-SD-24	NP-SD-25	NP-SD-26	NP-SD-27	NP-SD-28	NP-SD-29	NP-SD-30
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2	Area 2
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Manganese	478	462	428	298	252	2470	275	1490
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	13	14.5	13	13.2	14.4	27.2	18.4	20.2
Potassium	1020	814	945	633	804	1560	1280	1260
Selenium	0.5	2	1	0.3 U	0.3 U	0.5	0.3 U	0.3 U
Silver	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Sodium	100 U	104	100 U	113	136	305	157	187
Vanadium	36.9	32.7	30.7	42.3	39.8	47.6	38	43
Zinc	68.7	120	95.8	37.7	43.2	158	120	189

NOTES:

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TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-31	NP-SD-32	NP-SD-33	NP-SD-34	NP-SD-35	---	---	---
LOCATION:	NP-SD-31	NP-SD-32	NP-SD-33	NP-SD-34	NP-SD-35	---	---	---
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a			
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2			
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment			
MATCHING DUPLICATE I.D.:								
MISCELLANEOUS PARAMETERS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**			
Total Organic Carbon	74900 J	16400 J	53400 J	12100 J	55800 J			
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**			
Aluminum	13500	10800	14100	16400	13700			
Antimony	0.4	0.3	0.4	0.3 U	0.5			
Arsenic	11.5	1.7	5.5	11.8	16.4			
Barium	237	107	128	119	280			
Beryllium	1.2	0.6	1.1	0.8	1.2			
Cadmium	0.6 U	0.5 U	0.7	0.5 U	0.9			
Calcium	3210	1070	6180	3570	4280			
Chromium	26	17.8	28.2	27.4	23.3			
Cobalt	18.4	8.6	15.7	8	21			
Copper	31.5	9.3	19.7	16.8	27.8			
Iron	33900	18800	34600	30300	33500			
Lead	50.6	50.5	740	48.8	308			
Magnesium	3110	1470	4420	2450	2840			

NOTES:

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B -- Not detected substantially above the level reported in laboratory or field blanks.
R -- Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

NORTH PENN AREA 2

SAMPLE I.D.:	NP-SD-31	NP-SD-32	NP-SD-33	NP-SD-34	NP-SD-35	---	---	---
LOCATION:	NP-SD-31	NP-SD-32	NP-SD-33	NP-SD-34	NP-SD-35	---	---	---
DEPTH (FEET):	n/a	n/a	n/a	n/a	n/a			
SAMPLE DATE:								
AREA OF INTEREST:	Area 2	Area 2	Area 2	Area 2	Area 2			
MEDIA DESCRIPTION:	Sediment	Sediment	Sediment	Sediment	Sediment			
MATCHING DUPLICATE I.D.:								
INORGANICS	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**			
Manganese	2390	273	586	462	6780			
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Nickel	20.8	9.9	16.1	12.4	20.3			
Potassium	1300	757	1130	931	991			
Selenium	0.7	0.3 U	0.6	0.6	1			
Silver	3 U	1 U	1 U	1 U	3 U			
Sodium	181	100 U	123	100 U	100 U			
Vanadium	41	26.7	46.9	45.4	39.6			
Zinc	174	50.5	85.8	52.5	157			

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R -- Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

TABLE 4

ANALYTICAL RESULTS FOR SEDIMENT

AREA 2

NORTH PENN AREA 2

NOTES:

J	--	Value is considered estimated due to exceedance of technical quality control criteria or because result is less than the Contract Required Quantitation Limit (CRQL).
U	--	Value is a non-detected result as reported by the laboratory.
UJ	--	Non-detected result is considered estimated due to exceedance of technical quality control criteria.
UL	--	Non-detected result is considered biased low due to exceedance of technical quality control criteria.
UR	--	Non-detected result is considered unusable due to exceedance of technical quality control criteria.
L	--	Positive result is considered biased low due to exceedance of technical quality control criteria.
K	--	Positive result is considered biased high due to exceedance of technical quality control criteria.
B	--	Positive result is considered to be an artifact of blank contamination, and should not be considered present.
R	--	Positive result is considered unusable due to exceedance of technical quality control criteria.
n/a	--	No result is available/applicable for this parameter in this sample.
ND	--	Value is a non-detected result as reported by the laboratory. Detection limit not available.

DATA SUMMARY OF LEAD AND TCLP LEAD RESULTS
NORTH PENN STEIERT SUPERFUND SITE

Sample ID:	10000A-5	10000A-7	10000B-1	10000B-1-DUP	10000B-5	200-A	200-B	200-C	200-D	200-E	200-F
Sample Date:	12/19/2006	12/19/2006	12/29/2006	12/29/2006	12/29/2006	3/8/2007	3/12/2007	3/21/2007	3/26/2007	4/5/2007	4/11/2007
Duplicate:			10000B-1-DUP	10000B-1							
INORGANICS											
Lead (mg/kg)	38.2	40.4	398	278	304	NA	NA	NA	NA	NA	NA
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	UJ	1.08	1.9	0.688	0.514	0.595
Sample ID:	200-H	CS-1	CS-12	CS-5	CS-8	PE-101	PE-105	PE-109	PE-119	PE-133A	PE-16
Sample Date:	5/8/2007	9/5/2007	9/5/2007	9/5/2007	9/5/2007	5/17/2007	5/17/2007	5/17/2007	5/23/2007	5/30/2007	12/18/2006
Duplicate:											
INORGANICS											
Lead (mg/kg)	NA	398	59.6	38.5	222	171	29.7	31	157	18.3	111
TLCP Lead (mg/l)	2.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample ID:	PE-18	PE-27	PE-3	PE-33	PE-33A	PE-33B	PE-34	PE-35	PE-45	PE-49	PE-53A
Sample Date:	12/18/2006	12/29/2006	11/20/2006	12/29/2006	1/24/2007	1/24/2007	12/29/2006	12/29/2006	2/20/2007	2/20/2007	5/23/2007
Duplicate:											
INORGANICS											
Lead (mg/kg)	223	227	16.6	3980	15.8	40.4	33.6	13.2	997	226	14.4
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample ID:	PE-53F	PE-56	PE-58	PE-62	PE-66	PE-66-DUP	PE-73A	PE-74	PE-74-DUP	PE-75	PE-78
Sample Date:	5/30/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	3/14/2007	2/20/2007	2/20/2007	2/20/2007	3/1/2007
Duplicate:					PE-66-DUP	PE-66		PE-74-DUP	PE-74		
INORGANICS											
Lead (mg/kg)	1360	173	1750 L	288	71.6	212	10.5	222	140	39.4	12.9
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	NA	UJ	NA	NA	NA	NA
Sample ID:	PE-80	PE-84	PE-87B	PE-88	PE-9	PE-90	PE-95	TB-2	TS-1	TS-2	US-1
Sample Date:	3/1/2007	5/1/2007	5/17/2007	5/1/2007	11/20/2006	5/1/2007	5/17/2007	9/5/2007	2/28/2007	3/6/2007	2/28/2007
Duplicate:											
INORGANICS											
Lead (mg/kg)	14.2	33.4	30	25.5	69	106	164	152	NA	1990	NA
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	NA	NA	NA		UJ 1.05	UJ
Sample ID:	US-2										
Sample Date:	3/5/2007										
Duplicate:											
INORGANICS											
Lead (mg/kg)	1220										
TLCP Lead (mg/l)	1.96 J										

Data Qualifiers:
J -- Value is considered estimated due to exceedance of technical quality control criteria or because result is less than the Contract Required Quantitation Limit (CRQL).
L -- Positive result is considered biased low due to exceedance of technical quality control criteria.
UJ -- Non-detected result is considered estimated due to exceedance of technical quality control criteria.
NA -- No result is available/applicable for this parameter in this sample.

APPENDIX D

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

25 July 2006

(b) (4)

PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Enclosed are the results of analyses for samples received by the laboratory on 07/13/06 11:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4)

Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-85	6070301-01	Soil	07/06/06 15:10	07/13/06 11:00
S-86	6070301-02	Soil	07/06/06 15:12	07/13/06 11:00
S-87	6070301-03	Soil	07/06/06 15:14	07/13/06 11:00
S-88	6070301-04	Soil	07/06/06 15:16	07/13/06 11:00
S-89	6070301-05	Soil	07/06/06 15:18	07/13/06 11:00
S-90	6070301-06	Soil	07/06/06 15:20	07/13/06 11:00
S-91	6070301-07	Soil	07/06/06 15:30	07/13/06 11:00
S-92	6070301-08	Soil	07/06/06 16:10	07/13/06 11:00
S-93	6070301-09	Soil	07/06/06 16:20	07/13/06 11:00
S-94	6070301-10	Soil	07/06/06 16:25	07/13/06 11:00
S-95	6070301-11	Soil	07/06/06 16:35	07/13/06 11:00
S-96	6070301-12	Soil	07/06/06 16:40	07/13/06 11:00
S-97	6070301-13	Soil	07/06/06 16:45	07/13/06 11:00
S-98	6070301-14	Soil	07/06/06 16:55	07/13/06 11:00
S-99	6070301-15	Soil	07/06/06 17:05	07/13/06 11:00
S-100	6070301-16	Soil	07/06/06 17:10	07/13/06 11:00
S-101	6070301-17	Soil	07/06/06 17:30	07/13/06 11:00
S-102	6070301-18	Soil	07/06/06 17:35	07/13/06 11:00
S-103	6070301-19	Soil	07/06/06 17:40	07/13/06 11:00
S-103A	6070301-20	Soil	07/06/06 17:41	07/13/06 11:00
S-104	6070301-21	Soil	07/06/06 18:00	07/13/06 11:00
S-105	6070301-22	Soil	07/06/06 18:05	07/13/06 11:00
S-106	6070301-23	Soil	07/06/06 18:10	07/13/06 11:00
S-107	6070301-24	Soil	07/11/06 15:30	07/13/06 11:00
S-108	6070301-25	Soil	07/11/06 15:35	07/13/06 11:00
S-109	6070301-26	Soil	07/11/06 15:40	07/13/06 11:00
S-110	6070301-27	Soil	07/11/06 15:45	07/13/06 11:00
S-111	6070301-28	Soil	07/11/06 15:50	07/13/06 11:00
S-112	6070301-29	Soil	07/11/06 15:51	07/13/06 11:00
S-113	6070301-30	Soil	07/11/06 15:55	07/13/06 11:00

TestAmerica - King Of Prussia, PA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

AR100466

TestAmerica
ANALYTICAL TESTING CORPORATION

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1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4) [redacted]	07/25/06 12:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-114	6070301-31	Soil	07/11/06 16:00	07/13/06 11:00
S-115	6070301-32	Soil	07/11/06 16:05	07/13/06 11:00
S-116	6070301-33	Soil	07/11/06 16:10	07/13/06 11:00
S-117	6070301-34	Soil	07/11/06 16:15	07/13/06 11:00
S-118	6070301-35	Soil	07/11/06 16:45	07/13/06 11:00
S-119	6070301-36	Soil	07/11/06 16:50	07/13/06 11:00
S-120	6070301-37	Soil	07/11/06 16:55	07/13/06 11:00
S-121	6070301-38	Soil	07/11/06 17:00	07/13/06 11:00
S-122	6070301-39	Soil	07/11/06 17:05	07/13/06 11:00
S-123	6070301-40	Soil	07/11/06 17:10	07/13/06 11:00
S-124	6070301-41	Soil	07/11/06 17:15	07/13/06 11:00
S-124A	6070301-42	Soil	07/11/06 17:16	07/13/06 11:00
S-125	6070301-43	Soil	07/11/06 17:20	07/13/06 11:00
S-126	6070301-44	Soil	07/11/06 17:25	07/13/06 11:00
S-127	6070301-45	Soil	07/11/06 17:30	07/13/06 11:00
S-128	6070301-46	Soil	07/11/06 17:35	07/13/06 11:00
S-129	6070301-47	Soil	07/11/06 17:40	07/13/06 11:00
S-130	6070301-48	Soil	07/11/06 17:45	07/13/06 11:00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4) [redacted]

(b) (4) [redacted] Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

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1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-85 (6070301-01) Soil Sampled: 07/06/06 15:10 Received: 07/13/06 11:00									
Lead	**9400**	36	mg/kg dry	5	6071804	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-86 (6070301-02) Soil Sampled: 07/06/06 15:12 Received: 07/13/06 11:00									
Lead	**590**	35	mg/kg dry	5	6071804	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-87 (6070301-03) Soil Sampled: 07/06/06 15:14 Received: 07/13/06 11:00									
Lead	**400**	34	mg/kg dry	5	6071804	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-88 (6070301-04) Soil Sampled: 07/06/06 15:16 Received: 07/13/06 11:00									
Lead	**340**	34	mg/kg dry	5	6071804	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-89 (6070301-05) Soil Sampled: 07/06/06 15:18 Received: 07/13/06 11:00									
Lead	**210**	33	mg/kg dry	5	6071804	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-90 (6070301-06) Soil Sampled: 07/06/06 15:20 Received: 07/13/06 11:00									
Lead	**1300**	37	mg/kg dry	5	6071804	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-91 (6070301-07) Soil Sampled: 07/06/06 15:30 Received: 07/13/06 11:00									
Lead	**9000**	36	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-92 (6070301-08) Soil Sampled: 07/06/06 16:10 Received: 07/13/06 11:00									
Lead	**480**	35	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-93 (6070301-09) Soil Sampled: 07/06/06 16:20 Received: 07/13/06 11:00									
Lead	**370**	33	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-94 (6070301-10) Soil Sampled: 07/06/06 16:25 Received: 07/13/06 11:00									
Lead	**780**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-95 (6070301-11) Soil Sampled: 07/06/06 16:35 Received: 07/13/06 11:00									
Lead	**26000**	37	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-96 (6070301-12) Soil Sampled: 07/06/06 16:40 Received: 07/13/06 11:00									
Lead	**640**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-97 (6070301-13) Soil Sampled: 07/06/06 16:45 Received: 07/13/06 11:00									
Lead	**670**	32	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-98 (6070301-14) Soil Sampled: 07/06/06 16:55 Received: 07/13/06 11:00									
Lead	**420**	32	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-99 (6070301-15) Soil Sampled: 07/06/06 17:05 Received: 07/13/06 11:00									
Lead	**1200**	25	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-100 (6070301-16) Soil Sampled: 07/06/06 17:10 Received: 07/13/06 11:00									
Lead	**5300**	25	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-101 (6070301-17) Soil Sampled: 07/06/06 17:30 Received: 07/13/06 11:00									
Lead	**20000**	25	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-102 (6070301-18) Soil Sampled: 07/06/06 17:35 Received: 07/13/06 11:00									
Lead	**830**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4) [redacted]	07/25/06 12:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-103 (6070301-19) Soil Sampled: 07/06/06 17:40 Received: 07/13/06 11:00									
Lead	**2700**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-103A (6070301-20) Soil Sampled: 07/06/06 17:41 Received: 07/13/06 11:00									
Lead	**2600**	25	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-104 (6070301-21) Soil Sampled: 07/06/06 18:00 Received: 07/13/06 11:00									
Lead	**4400**	31	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-105 (6070301-22) Soil Sampled: 07/06/06 18:05 Received: 07/13/06 11:00									
Lead	**960**	32	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-106 (6070301-23) Soil Sampled: 07/06/06 18:10 Received: 07/13/06 11:00									
Lead	**220**	33	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-107 (6070301-24) Soil Sampled: 07/11/06 15:30 Received: 07/13/06 11:00									
Lead	**6600**	32	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-108 (6070301-25) Soil Sampled: 07/11/06 15:35 Received: 07/13/06 11:00									
Lead	**1500**	32	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-109 (6070301-26) Soil Sampled: 07/11/06 15:40 Received: 07/13/06 11:00									
Lead	**220**	32	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-110 (6070301-27) Soil Sampled: 07/11/06 15:45 Received: 07/13/06 11:00									
Lead	**680**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN

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(b) (4) [redacted] Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-111 (6070301-28) Soil Sampled: 07/11/06 15:50 Received: 07/13/06 11:00									
Lead	**2700**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-112 (6070301-29) Soil Sampled: 07/11/06 15:51 Received: 07/13/06 11:00									
Lead	**1200**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-113 (6070301-30) Soil Sampled: 07/11/06 15:55 Received: 07/13/06 11:00									
Lead	**6300**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-114 (6070301-31) Soil Sampled: 07/11/06 16:00 Received: 07/13/06 11:00									
Lead	**28000**	25	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-115 (6070301-32) Soil Sampled: 07/11/06 16:05 Received: 07/13/06 11:00									
Lead	**110**	33	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-116 (6070301-33) Soil Sampled: 07/11/06 16:10 Received: 07/13/06 11:00									
Lead	**3200**	25	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-117 (6070301-34) Soil Sampled: 07/11/06 16:15 Received: 07/13/06 11:00									
Lead	**2900**	34	mg/kg dry	5	6071822	07/18/06	07/24/06	EPA 6010B	A-01, DILN
S-118 (6070301-35) Soil Sampled: 07/11/06 16:45 Received: 07/13/06 11:00									
Lead	**190**	37	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-119 (6070301-36) Soil Sampled: 07/11/06 16:50 Received: 07/13/06 11:00									
Lead	**5100**	43	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-120 (6070301-37) Soil Sampled: 07/11/06 16:55 Received: 07/13/06 11:00									
Lead	**3000**	36	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-121 (6070301-38) Soil Sampled: 07/11/06 17:00 Received: 07/13/06 11:00									
Lead	**210**	36	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-122 (6070301-39) Soil Sampled: 07/11/06 17:05 Received: 07/13/06 11:00									
Lead	**2200**	43	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-123 (6070301-40) Soil Sampled: 07/11/06 17:10 Received: 07/13/06 11:00									
Lead	**2200**	35	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-124 (6070301-41) Soil Sampled: 07/11/06 17:15 Received: 07/13/06 11:00									
Lead	**140**	32	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-124A (6070301-42) Soil Sampled: 07/11/06 17:16 Received: 07/13/06 11:00									
Lead	**150**	35	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-125 (6070301-43) Soil Sampled: 07/11/06 17:20 Received: 07/13/06 11:00									
Lead	**3500**	52	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-126 (6070301-44) Soil Sampled: 07/11/06 17:25 Received: 07/13/06 11:00									
Lead	**800**	36	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-127 (6070301-45) Soil Sampled: 07/11/06 17:30 Received: 07/13/06 11:00									
Lead	**170**	36	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-128 (6070301-46) Soil Sampled: 07/11/06 17:35 Received: 07/13/06 11:00									
Lead	**2600**	42	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-129 (6070301-47) Soil Sampled: 07/11/06 17:40 Received: 07/13/06 11:00									
Lead	**190**	32	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN
S-130 (6070301-48) Soil Sampled: 07/11/06 17:45 Received: 07/13/06 11:00									
Lead	**190**	34	mg/kg dry	5	6071907	07/19/06	07/24/06	EPA 6010B	A-01, DILN

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	**Reported:**
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-85 (6070301-01) Soil Sampled: 07/06/06 15:10 Received: 07/13/06 11:00									
% Solids	**69.3**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-86 (6070301-02) Soil Sampled: 07/06/06 15:12 Received: 07/13/06 11:00									
% Solids	**71.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-87 (6070301-03) Soil Sampled: 07/06/06 15:14 Received: 07/13/06 11:00									
% Solids	**74.1**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-88 (6070301-04) Soil Sampled: 07/06/06 15:16 Received: 07/13/06 11:00									
% Solids	**74.1**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-89 (6070301-05) Soil Sampled: 07/06/06 15:18 Received: 07/13/06 11:00									
% Solids	**75.6**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-90 (6070301-06) Soil Sampled: 07/06/06 15:20 Received: 07/13/06 11:00									
% Solids	**67.4**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-91 (6070301-07) Soil Sampled: 07/06/06 15:30 Received: 07/13/06 11:00									
% Solids	**69.8**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-92 (6070301-08) Soil Sampled: 07/06/06 16:10 Received: 07/13/06 11:00									
% Solids	**71.2**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-93 (6070301-09) Soil Sampled: 07/06/06 16:20 Received: 07/13/06 11:00									
% Solids	**75.2**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-94 (6070301-10) Soil Sampled: 07/06/06 16:25 Received: 07/13/06 11:00									
% Solids	**73.1**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-95 (6070301-11) Soil Sampled: 07/06/06 16:35 Received: 07/13/06 11:00									
% Solids	**67.9**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-96 (6070301-12) Soil Sampled: 07/06/06 16:40 Received: 07/13/06 11:00									
% Solids	**73.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-97 (6070301-13) Soil Sampled: 07/06/06 16:45 Received: 07/13/06 11:00									
% Solids	**77.0**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-98 (6070301-14) Soil Sampled: 07/06/06 16:55 Received: 07/13/06 11:00									
% Solids	**77.2**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-99 (6070301-15) Soil Sampled: 07/06/06 17:05 Received: 07/13/06 11:00									
% Solids	**81.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-100 (6070301-16) Soil Sampled: 07/06/06 17:10 Received: 07/13/06 11:00									
% Solids	**92.3**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-101 (6070301-17) Soil Sampled: 07/06/06 17:30 Received: 07/13/06 11:00									
% Solids	**82.5**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-102 (6070301-18) Soil Sampled: 07/06/06 17:35 Received: 07/13/06 11:00									
% Solids	**74.4**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	

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(b) (4) Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	**Reported:**
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-103 (6070301-19) Soil Sampled: 07/06/06 17:40 Received: 07/13/06 11:00									
% Solids	**72.5**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-103A (6070301-20) Soil Sampled: 07/06/06 17:41 Received: 07/13/06 11:00									
% Solids	**80.9**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-104 (6070301-21) Soil Sampled: 07/06/06 18:00 Received: 07/13/06 11:00									
% Solids	**79.4**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-105 (6070301-22) Soil Sampled: 07/06/06 18:05 Received: 07/13/06 11:00									
% Solids	**79.0**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-106 (6070301-23) Soil Sampled: 07/06/06 18:10 Received: 07/13/06 11:00									
% Solids	**75.5**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-107 (6070301-24) Soil Sampled: 07/11/06 15:30 Received: 07/13/06 11:00									
% Solids	**77.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-108 (6070301-25) Soil Sampled: 07/11/06 15:35 Received: 07/13/06 11:00									
% Solids	**77.1**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-109 (6070301-26) Soil Sampled: 07/11/06 15:40 Received: 07/13/06 11:00									
% Solids	**77.6**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-110 (6070301-27) Soil Sampled: 07/11/06 15:45 Received: 07/13/06 11:00									
% Solids	**73.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) roject Manager

TestAmerica
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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-111 (6070301-28) Soil Sampled: 07/11/06 15:50 Received: 07/13/06 11:00									
% Solids	**73.9**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-112 (6070301-29) Soil Sampled: 07/11/06 15:51 Received: 07/13/06 11:00									
% Solids	**73.0**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-113 (6070301-30) Soil Sampled: 07/11/06 15:55 Received: 07/13/06 11:00									
% Solids	**72.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-114 (6070301-31) Soil Sampled: 07/11/06 16:00 Received: 07/13/06 11:00									
% Solids	**100**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-115 (6070301-32) Soil Sampled: 07/11/06 16:05 Received: 07/13/06 11:00									
% Solids	**76.0**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-116 (6070301-33) Soil Sampled: 07/11/06 16:10 Received: 07/13/06 11:00									
% Solids	**80.9**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-117 (6070301-34) Soil Sampled: 07/11/06 16:15 Received: 07/13/06 11:00									
% Solids	**74.1**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-118 (6070301-35) Soil Sampled: 07/11/06 16:45 Received: 07/13/06 11:00									
% Solids	**67.4**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-119 (6070301-36) Soil Sampled: 07/11/06 16:50 Received: 07/13/06 11:00									
% Solids	**58.3**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-120 (6070301-37) Soil Sampled: 07/11/06 16:55 Received: 07/13/06 11:00									
% Solids	**69.5**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-121 (6070301-38) Soil Sampled: 07/11/06 17:00 Received: 07/13/06 11:00									
% Solids	**70.0**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-122 (6070301-39) Soil Sampled: 07/11/06 17:05 Received: 07/13/06 11:00									
% Solids	**58.6**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-123 (6070301-40) Soil Sampled: 07/11/06 17:10 Received: 07/13/06 11:00									
% Solids	**71.9**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-124 (6070301-41) Soil Sampled: 07/11/06 17:15 Received: 07/13/06 11:00									
% Solids	**78.1**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-124A (6070301-42) Soil Sampled: 07/11/06 17:16 Received: 07/13/06 11:00									
% Solids	**70.5**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-125 (6070301-43) Soil Sampled: 07/11/06 17:20 Received: 07/13/06 11:00									
% Solids	**47.7**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-126 (6070301-44) Soil Sampled: 07/11/06 17:25 Received: 07/13/06 11:00									
% Solids	**69.4**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-127 (6070301-45) Soil Sampled: 07/11/06 17:30 Received: 07/13/06 11:00									
% Solids	**68.6**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	

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(b) (4) Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-128 (6070301-46) Soil Sampled: 07/11/06 17:35 Received: 07/13/06 11:00									
% Solids	**59.0**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-129 (6070301-47) Soil Sampled: 07/11/06 17:40 Received: 07/13/06 11:00									
% Solids	**78.6**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	
S-130 (6070301-48) Soil Sampled: 07/11/06 17:45 Received: 07/13/06 11:00									
% Solids	**73.3**	0.01	% by Weight	1	6071402	07/14/06	07/14/06	EPA 160.3	

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(b) (4)

(b) (4) Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	07/25/06 12:49

Notes and Definitions

DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
A-01	Analyzed by TestAmerica-Dayton.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica
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CHAIN OF CUSTODY REPORT

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Suite 803
Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Rd
Hatfield, PA 19440
Report to: [redacted] (b) (4)
E-mail:
Phone #: (215) 997-9000
Fax #: (215) 872-8575
Project Name: Altemoe
Project #/PO#:
Sampler: [redacted] (b) (4)

Bill To: Same
Address:
Terms: Net 30 days
State & Program:
Phone #: ( )
Fax #: ( )

TAT: (STD.) 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt: 0
If Yes, please explain:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	Lead	ANALYSIS TYPE	SAMPLE CONTROL: CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-85 PID:	7/6/6	15:10	Sal							1	1		X				6070301-01
2	S-86 PID:		15:12								1	1		X				-02
3	S-87 PID:		15:14								1	1		X				-03
4	S-88 PID:		15:16								1	1		X				-04
5	S-89 PID:		15:18								1	1		X				-05
6	S-90 PID:		15:20								1	1		X				-06
7	S-91 PID:		15:30								1	1		X				-07
8	S-92 PID:		16:10								1	1		X				-08
9	S-93 PID:		16:20								1	1		X				-09
10	S-94 PID:		16:25								1	1		X				-10

[redacted] (b) (4)	7/6/6 17:00	[redacted] (b) (4) 7/13/6	DATE 11:00 TIME	RELINQUISHED DATE TIME	RECEIVED DATE TIME
RELINQUISHED DATE TIME			DATE TIME	RELINQUISHED DATE TIME	RECEIVED DATE TIME

COMMENTS:

PAGE 1 OF 5

AR100481

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(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Rd
Hatfield, PA 19440
Report [redacted] Phone #: (215) 997-9000
E-mail: [redacted] Fax #: (215) 822-8577

Bill To: [redacted]
Address: [redacted]
Terms: Net 30 days
State & Program:
Phone #: ( )
Fax #: ( )

TAT: (STD.) 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt:
If Yes, please explain:

Project Name: Allentown
Project #/PO#:
Sampler: [redacted]

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	ANALYSIS TYPE: Lead							SAMPLE CONTROL: CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-95 PID:	2/6/16	16:35	Soil							1	1		X									6070301-11
2	S-96 PID:		16:40								1	1		X									-12
3	S-97 PID:		16:45								1	1		X									-13
4	S-98 PID:		16:55								1	1		X									-14
5	S-99 PID:		17:05								1	1		X									-15
6	S-100 PID:		17:10								1	1		X									-16
7	S-101 PID:		17:30								1	1		X									-17
8	S-102 PID:		17:35								1	1		X									-18
9	S-103 PID:		17:40								1	1		X									-19
10	S-103A PID:		17:41								1	1		X									-20

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
[redacted]	2/6/16	[redacted]	2/6/16				
	DATE / TIME		DATE / TIME		DATE / TIME		DATE / TIME

COMMENTS:

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Suite 803
Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Rd
Hatfield, PA 19440
Report to: [redacted] Phone #: (215) 997-4000
E-mail: [redacted] Fax #: (215) 822-8575

Bill To:
Address:
Terms: Net 30 days
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD. 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
If Yes, please explain:
Temp. Upon Receipt: 0

Project Name: Altemose
Project #/PO#:
Sampler: [redacted]

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	Lead	ANALYSIS TYPE	SAMPLE CONTROL: CRACKED/BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-104 PID:	7/6/16	18:00	Soil							1	1		Y				60 70301-21
2	S-105 PID:		18:05								1	1		Y				-22
3	S-106 PID:		18:10								1	1		Y				-23
4	S-107 PID:	7/6/16	15:20								1	1		Y				-24
5	S-108 PID:		15:35								1	1		Y				-25
6	S-109 PID:		15:40								1	1		Y				-26
7	S-110 PID:		15:45								1	1		Y				-27
8	S-111 PID:		15:50								1	1		Y				-28
9	S-112 PID:		15:55								1	1		Y				-29
10	S-113 PID:		15:55								1	1		Y				-30

[redacted] 7/7/16 19:00	[redacted]	7/13/16 7:00	RELINQUISHED	RECEIVED	
DATE / TIME	DATE / TIME	DATE / TIME	DATE / TIME	DATE / TIME	DATE / TIME
			RELINQUISHED	RECEIVED	
			DATE / TIME	DATE / TIME	DATE / TIME

COMMENTS:

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Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn ELR
Address: 2755 Bergey Rd
Hatfield, PA 19440
Report to: [redacted] (b) (4)
E-mail:
Phone #: (215) 997-9000
Fax #: (215) 827-8572
Project Name: Attenosp
Project #/PO#:
Sampler: [redacted] (b) (4)

Bill To:
Address:
Terms: Net 30 days
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD. 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt: 0
If Yes, please explain:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	Lead	ANALYSIS TYPE	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-114 PID:	7/16/6	16:00	Soil							1	1		X				6070301-31
2	S-115 PID:		16:05								1	1		X				-32
3	S-116 PID:		16:10								1	1		X				-33
4	S-117 PID:		16:15								1	1		X				-34
5	S-118 PID:		16:45								1	1		X				-35
6	S-119 PID:		16:50								1	1		X				-36
7	S-120 PID:		16:55								1	1		X				-37
8	S-121 PID:		17:00								1	1		X				-38
9	S-122 PID:		17:05								1	1		X				-39
10	S-123 PID:		17:10								1	1		X				-40

[redacted] (b) (4) 7/17/6	[redacted] (b) (4) 7/13/6 11:00	DATE / TIME	RELINQUISHED DATE / TIME	RECEIVED DATE / TIME	
DATE / TIME		DATE / TIME	RELINQUISHED DATE / TIME	RECEIVED DATE / TIME	

COMMENTS:

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ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

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(732) 661-0777
FAX (732) 661-0305

Client: Penn Ecl
Address: 2755 Bergey Rd
Hatfield PA 19440
Report to E-mail: [redacted] (b) (4)
Phone #: (215) 997-9000
Fax #: (215) 997-9575
Project Name: Altenose
Project #/PO#:
Sampler: [redacted] (b) (4)

Bill To:
Address:
Terms: Net 30 days
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD. 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt: 0
If Yes, please explain:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	Lead								CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-124 PID:	7/16	17:15	Soil							1	1		X										6070301-41
2	S-124A PID:		17:16								1	1		X										-42
3	S-125 PID:		17:20								1	1		X										-43
4	S-126 PID:		17:25								1	1		X										-44
5	S-127 PID:		17:30								1	1		X										-45
6	S-128 PID:		17:35								1	1		X										-46
7	S-129 PID:		17:40								1	1		X										-47
8	S-130 PID:		17:45								1	1		X										-48
9	PID:																							
10	PID:																							

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
[redacted] (b) (4)	7-13-06 11:05	[redacted] (b) (4)	7/13/6 1 11:00				

COMMENTS:

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27 September 2006

(b) (4)

PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Enclosed are the results of analyses for samples received by the laboratory on 09/20/06 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4)

Project Manager

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ANALYTICAL TESTING CORPORATION

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1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/27/06 16:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P2-A	KPI0510-01	Soil	09/19/06 12:55	09/20/06 10:30
P2-B	KPI0510-02	Soil	09/19/06 13:05	09/20/06 10:30
P2-C	KPI0510-03	Soil	09/19/06 13:15	09/20/06 10:30
P2-D	KPI0510-04	Soil	09/19/06 13:25	09/20/06 10:30
P2-E	KPI0510-05	Soil	09/19/06 13:30	09/20/06 10:30
P2-F	KPI0510-06	Soil	09/19/06 13:40	09/20/06 10:30
P2-G	KPI0510-07	Soil	09/19/06 13:45	09/20/06 10:30
P2-H	KPI0510-08	Soil	09/19/06 13:50	09/20/06 10:30
P2-I	KPI0510-09	Soil	09/19/06 13:55	09/20/06 10:30
P2-J	KPI0510-10	Soil	09/19/06 14:05	09/20/06 10:30
P2-K	KPI0510-11	Soil	09/19/06 14:15	09/20/06 10:30

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/27/06 16:46

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P2-A (KPI0510-01) Soil Sampled: 09/19/06 12:55 Received: 09/20/06 10:30									
Lead	**11**	5.0	mg/kg dry	1	6092607	09/26/06	09/26/06	EPA 6010B	
P2-B (KPI0510-02) Soil Sampled: 09/19/06 13:05 Received: 09/20/06 10:30									
Lead	**31**	6.6	mg/kg dry	1	6092607	09/26/06	09/26/06	EPA 6010B	
P2-C (KPI0510-03) Soil Sampled: 09/19/06 13:15 Received: 09/20/06 10:30									
Lead	**22**	5.0	mg/kg dry	1	6092607	09/26/06	09/26/06	EPA 6010B	
P2-D (KPI0510-04) Soil Sampled: 09/19/06 13:25 Received: 09/20/06 10:30									
Lead	**63**	6.3	mg/kg dry	1	6092607	09/26/06	09/26/06	EPA 6010B	
P2-E (KPI0510-05) Soil Sampled: 09/19/06 13:30 Received: 09/20/06 10:30									
Lead	**23**	5.0	mg/kg dry	1	6092607	09/26/06	09/26/06	EPA 6010B	
P2-F (KPI0510-06) Soil Sampled: 09/19/06 13:40 Received: 09/20/06 10:30									
Lead	**32**	5.0	mg/kg dry	1	6092607	09/26/06	09/27/06	EPA 6010B	
P2-G (KPI0510-07) Soil Sampled: 09/19/06 13:45 Received: 09/20/06 10:30									
Lead	**47**	6.3	mg/kg dry	1	6092607	09/26/06	09/27/06	EPA 6010B	
P2-H (KPI0510-08) Soil Sampled: 09/19/06 13:50 Received: 09/20/06 10:30									
Lead	**25**	6.4	mg/kg dry	1	6092607	09/26/06	09/27/06	EPA 6010B	
P2-I (KPI0510-09) Soil Sampled: 09/19/06 13:55 Received: 09/20/06 10:30									
Lead	**26**	6.3	mg/kg dry	1	6092607	09/26/06	09/27/06	EPA 6010B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	**Reported:**
Hatfield PA, 19440	Project Manager: (b) (4) [redacted]	09/27/06 16:46

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P2-J (KPI0510-10) Soil Sampled: 09/19/06 14:05 Received: 09/20/06 10:30									
Lead	**23**	6.4	mg/kg dry	1	6092607	09/26/06	09/27/06	EPA 6010B	
P2-K (KPI0510-11) Soil Sampled: 09/19/06 14:15 Received: 09/20/06 10:30									
Lead	**29**	6.6	mg/kg dry	1	6092607	09/26/06	09/27/06	EPA 6010B	

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(b) (4) [redacted]

(b) (4) [redacted] Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/27/06 16:46

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P2-A (KPI0510-01) Soil Sampled: 09/19/06 12:55 Received: 09/20/06 10:30									
% Solids	**81.3**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-B (KPI0510-02) Soil Sampled: 09/19/06 13:05 Received: 09/20/06 10:30									
% Solids	**75.9**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-C (KPI0510-03) Soil Sampled: 09/19/06 13:15 Received: 09/20/06 10:30									
% Solids	**81.5**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-D (KPI0510-04) Soil Sampled: 09/19/06 13:25 Received: 09/20/06 10:30									
% Solids	**78.8**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-E (KPI0510-05) Soil Sampled: 09/19/06 13:30 Received: 09/20/06 10:30									
% Solids	**81.2**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-F (KPI0510-06) Soil Sampled: 09/19/06 13:40 Received: 09/20/06 10:30									
% Solids	**80.3**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-G (KPI0510-07) Soil Sampled: 09/19/06 13:45 Received: 09/20/06 10:30									
% Solids	**79.6**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-H (KPI0510-08) Soil Sampled: 09/19/06 13:50 Received: 09/20/06 10:30									
% Solids	**78.1**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-I (KPI0510-09) Soil Sampled: 09/19/06 13:55 Received: 09/20/06 10:30									
% Solids	**79.5**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) roject Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/27/06 16:46

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P2-J (KPI0510-10) Soil Sampled: 09/19/06 14:05 Received: 09/20/06 10:30									
% Solids	**78.4**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	
P2-K (KPI0510-11) Soil Sampled: 09/19/06 14:15 Received: 09/20/06 10:30									
% Solids	**76.2**	0.01	% by Weight	1	6092603	09/26/06	09/26/06	EPA 160.3	

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(b) (4)

(b) (4) Project Manager

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PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/27/06 16:46

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

1008 W. Ninth Avenue
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FAX (610) 337-9939

1090 King Georges Post Rd
Suite 803
Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Road
Hatfield, PA 19440
Report to: [redacted] Phone #: ( ) Fax #: ( )
E-mail:

Bill To: same
Address:
Terms: Net 30 days
State & Program: PA Act2
Phone #: ( ) Fax #: ( )

TAT: STD. 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt: 0°C
If Yes, please explain:

Project Name: Altemose
Project #/PO#:
Sampler: [redacted]

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☒ NO	Lead	ANALYSIS TYPE	CRACKED BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	P2-A PID:	9/19/06	12:55	Soil							1	1		X				KP10510 -01
2	P2-B PID:		13:05															-02
3	P2-C PID:		13:15															-03
4	P2-D PID:		13:25															-04
5	P2-E PID:		13:30															-05
6	P2-F PID:		13:40															-06
7	P2-G PID:		13:45															-07
8	P2-H PID:		13:50															-08
9	P2-I PID:		13:55															-09
10	P2-J PID:		14:05															-10

RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE
[redacted]	9/19/06 15:00	[redacted]	9/19/06 15:00	[redacted]		[redacted]	9/20/06 1030
RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE
	TIME	[redacted]	9/20/06 1030		TIME		TIME

COMMENTS:

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TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

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FAX (610) 337-9939

1090 King Georges Post Rd
Suite 803
Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Road
Hatfield, PA 19440
Report to: Mike Christie
E-mail:
Phone #: ( )
Fax #: ( )

Bill To: same
Address:
Terms: Net 30 days
State & Program: PA Act 2
Phone #: ( )
Fax #: ( )

TAT: STD 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt: 0°C
If Yes, please explain:

Project Name: Allemose
Project #/PO#:
Sampler: (b) (4) [redacted]

FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☒ NO	ANALYSIS TYPE: Lead								SAMPLE CONTROL: CRACKED/BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1 P2-K PID:	9/19/06	14:15	Soil							1	1		X										KP10S10-11
2 PID:																							
3 PID:																							
4 PID:																							
5 PID:																							
6 PID:																							
7 PID:																							
8 PID:																							
9 PID:																							
10 PID:																							

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
(b) (4) [redacted]	9/19/06 15:00	(b) (4) [redacted]	9/19/06 15:00	(b) (4) [redacted]	9/20/06 1031	(b) (4) [redacted]	9/20/06 1031

COMMENTS:

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AR100494

July 26, 2006

(b) (4)
PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Dear (b) (4)

Enclosed are the results of analyses for sample(s) received by the laboratory on May 22, 2006. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4)
Project Manager

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:14

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-1	6050659-01	Soil	5/19/06
S-2	6050659-02	Soil	5/19/06
S-2-D	6050659-03	Soil	5/19/06
S-3	6050659-04	Soil	5/19/06
S-4	6050659-05	Soil	5/19/06
S-4-D	6050659-06	Soil	5/19/06
S-5	6050659-07	Soil	5/19/06
S-6	6050659-08	Soil	5/19/06
S-6-D	6050659-09	Soil	5/19/06
S-7	6050659-10	Soil	5/19/06
S-8	6050659-11	Soil	5/19/06
S-8-D	6050659-12	Soil	5/19/06
S-9	6050659-13	Soil	5/19/06
S-10	6050659-14	Soil	5/19/06
S-10-D	6050659-15	Soil	5/19/06
S-11	6050659-16	Soil	5/19/06
S-12	6050659-17	Soil	5/19/06
S-12-D	6050659-18	Soil	5/19/06
S-13	6050659-19	Soil	5/19/06
S-14	6050659-20	Soil	5/19/06

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(b) (4) Project Manager

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:14

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-14-D	6050659-21	Soil	5/19/06
S-15	6050659-22	Soil	5/19/06
S-16	6050659-23	Soil	5/19/06
S-16-D	6050659-24	Soil	5/19/06
S-17	6050659-25	Soil	5/19/06
S-18	6050659-26	Soil	5/19/06
S-18-D	6050659-27	Soil	5/19/06
S-19	6050659-28	Soil	5/19/06
S-20	6050659-29	Soil	5/19/06
S-20-D	6050659-30	Soil	5/19/06
S-21	6050659-31	Soil	5/19/06
S-22	6050659-32	Soil	5/19/06
S-22-D	6050659-33	Soil	5/19/06
S-23	6050659-34	Soil	5/19/06
S-24	6050659-35	Soil	5/19/06
S-24-D	6050659-36	Soil	5/19/06
S-9-A	6050659-37	Soil	5/19/06
S-23-A	6050659-38	Soil	5/19/06
S-25	6050659-39	Soil	5/19/06
S-26	6050659-40	Soil	5/19/06

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(b) (4) Project Manager

PENN E & R	Project: Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number: NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager: (b) (4)	Reported:	7/26/06 11:14

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-26-D	6050659-41	Soil	5/19/06
S-27	6050659-42	Soil	5/19/06
S-28	6050659-43	Soil	5/19/06
S-28-D	6050659-44	Soil	5/19/06
S-29	6050659-45	Soil	5/19/06
S-30	6050659-46	Soil	5/19/06
S-30-D	6050659-47	Soil	5/19/06
S-31	6050659-48	Soil	5/19/06
S-32	6050659-49	Soil	5/19/06
S-32-D	6050659-50	Soil	5/19/06
S-31-A	6050659-51	Soil	5/19/06
S-33	6050659-52	Soil	5/19/06
4-1	6050659-53	Soil	5/19/06
4-1-D	6050659-54	Soil	5/19/06
4-2	6050659-55	Soil	5/19/06
4-2-D	6050659-56	Soil	5/19/06
4-3	6050659-57	Soil	5/19/06
4-3-D	6050659-58	Soil	5/19/06
4-4	6050659-59	Soil	5/19/06
4-4-D	6050659-60	Soil	5/19/06

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4) Project Manager

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-1			**6050659-01**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	7.1	**120**	mg/kg dry	MS4X
S-2			**6050659-02**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	7.3	**750**	mg/kg dry	
S-2-D			**6050659-03**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**23**	mg/kg dry	
S-3			**6050659-04**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**190**	mg/kg dry	
S-4			**6050659-05**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**67**	mg/kg dry	
S-4-D			**6050659-06**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**19**	mg/kg dry	
S-5			**6050659-07**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	6.3	**45**	mg/kg dry	
S-6			**6050659-08**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	6.3	**120**	mg/kg dry	
S-6-D			**6050659-09**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**15**	mg/kg dry	
S-7			**6050659-10**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**46**	mg/kg dry	
S-8			**6050659-11**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**53**	mg/kg dry	
S-8-D			**6050659-12**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**18**	mg/kg dry	
S-9			**6050659-13**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**24**	mg/kg dry	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-10			**6050659-14**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**27**	mg/kg dry	
S-10-D			**6050659-15**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**9.3**	mg/kg dry	
S-11			**6050659-16**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	6.3	**32**	mg/kg dry	
S-12			**6050659-17**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	6.4	**41**	mg/kg dry	
S-12-D			**6050659-18**				**Soil**	
Lead	6052507	5/25/06	5/25/06	EPA 6010B	5.0	**13**	mg/kg dry	
S-13			**6050659-19**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**21**	mg/kg dry	
S-14			**6050659-20**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**54**	mg/kg dry	
S-14-D			**6050659-21**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**13**	mg/kg dry	
S-15			**6050659-22**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**31**	mg/kg dry	
S-16			**6050659-23**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.4	**32**	mg/kg dry	
S-16-D			**6050659-24**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**13**	mg/kg dry	
S-17			**6050659-25**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**47**	mg/kg dry	
S-18			**6050659-26**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**72**	mg/kg dry	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4) [redacted]		Reported:	7/26/06 11:14

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-18-D			6050659-27				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**19**	mg/kg dry	
S-19			6050659-28				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**350**	mg/kg dry	
S-20			6050659-29				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**78**	mg/kg dry	
S-20-D			6050659-30				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**15**	mg/kg dry	
S-21			6050659-31				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**39**	mg/kg dry	
S-22			6050659-32				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.8	**60**	mg/kg dry	
S-22-D			6050659-33				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**18**	mg/kg dry	
S-23			6050659-34				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.3	**84**	mg/kg dry	
S-24			6050659-35				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.3	**160**	mg/kg dry	
S-24-D			6050659-36				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**11**	mg/kg dry	
S-9-A			6050659-37				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.7	**31**	mg/kg dry	
S-23-A			6050659-38				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.5	**74**	mg/kg dry	
S-25			6050659-39				Soil	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	7.1	**130**	mg/kg dry	G02

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-26			**6050659-40**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**39**	mg/kg dry	
S-26-D			**6050659-41**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**23**	mg/kg dry	
S-27			**6050659-42**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.6	**150**	mg/kg dry	
S-28			**6050659-43**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**520**	mg/kg dry	
S-28-D			**6050659-44**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**74**	mg/kg dry	
S-29			**6050659-45**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.7	**58**	mg/kg dry	
S-30			**6050659-46**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.7	**1000**	mg/kg dry	
S-30-D			**6050659-47**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**54**	mg/kg dry	
S-31			**6050659-48**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.6	**130**	mg/kg dry	
S-32			**6050659-49**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	7.0	**300**	mg/kg dry	
S-32-D			**6050659-50**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**72**	mg/kg dry	
S-31-A			**6050659-51**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.6	**130**	mg/kg dry	
S-33			**6050659-52**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**40**	mg/kg dry	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
4-1			**6050659-53**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.5	**120**	mg/kg dry	
4-1-D			**6050659-54**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**20**	mg/kg dry	
4-2			**6050659-55**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	6.5	**51**	mg/kg dry	
4-2-D			**6050659-56**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**14**	mg/kg dry	
4-3			**6050659-57**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	7.0	**66**	mg/kg dry	
4-3-D			**6050659-58**				**Soil**	
Lead	6052605	5/26/06	5/26/06	EPA 6010B	5.0	**9.7**	mg/kg dry	
4-4			**6050659-59**				**Soil**	
Lead	6053012	5/30/06	5/30/06	EPA 6010B	6.3	**56**	mg/kg dry	
4-4-D			**6050659-60**				**Soil**	
Lead	6053012	5/30/06	5/30/06	EPA 6010B	5.0	**50**	mg/kg dry	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-1			6050659-01				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**70.5**	% by Weight	
S-2			6050659-02				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**68.6**	% by Weight	
S-2-D			6050659-03				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**81.2**	% by Weight	
S-3			6050659-04				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.6**	% by Weight	
S-4			6050659-05				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.0**	% by Weight	
S-4-D			6050659-06				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.9**	% by Weight	
S-5			6050659-07				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**79.3**	% by Weight	
S-6			6050659-08				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**79.5**	% by Weight	
S-6-D			6050659-09				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**82.0**	% by Weight	
S-7			6050659-10				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**82.3**	% by Weight	
S-8			6050659-11				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**80.1**	% by Weight	
S-8-D			6050659-12				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.8**	% by Weight	
S-9			6050659-13				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.6**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-10			**6050659-14**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**90.4**	% by Weight	
S-10-D			**6050659-15**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**90.0**	% by Weight	
S-11			**6050659-16**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**79.8**	% by Weight	
S-12			**6050659-17**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**78.7**	% by Weight	
S-12-D			**6050659-18**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**88.1**	% by Weight	
S-13			**6050659-19**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.0**	% by Weight	
S-14			**6050659-20**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**80.7**	% by Weight	
S-14-D			**6050659-21**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.6**	% by Weight	
S-15			**6050659-22**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**85.3**	% by Weight	
S-16			**6050659-23**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**78.1**	% by Weight	
S-16-D			**6050659-24**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.9**	% by Weight	
S-17			**6050659-25**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**82.6**	% by Weight	
S-18			**6050659-26**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**82.5**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-18-D			6050659-27				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**89.4**	% by Weight	
S-19			6050659-28				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.2**	% by Weight	
S-20			6050659-29				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.3**	% by Weight	
S-20-D			6050659-30				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**88.6**	% by Weight	
S-21			6050659-31				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**81.8**	% by Weight	
S-22			6050659-32				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**73.0**	% by Weight	
S-22-D			6050659-33				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**81.2**	% by Weight	
S-23			6050659-34				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**78.9**	% by Weight	
S-24			6050659-35				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**79.2**	% by Weight	
S-24-D			6050659-36				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**81.9**	% by Weight	
S-9-A			6050659-37				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**75.1**	% by Weight	
S-23-A			6050659-38				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**76.8**	% by Weight	
S-25			6050659-39				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**70.6**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4) [redacted]	Reported:	7/26/06 11:14

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-26			6050659-40				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.1**	% by Weight	
S-26-D			6050659-41				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**85.5**	% by Weight	
S-27			6050659-42				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**75.7**	% by Weight	
S-28			6050659-43				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**81.2**	% by Weight	
S-28-D			6050659-44				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.6**	% by Weight	
S-29			6050659-45				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**74.8**	% by Weight	
S-30			6050659-46				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**74.1**	% by Weight	
S-30-D			6050659-47				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**82.5**	% by Weight	
S-31			6050659-48				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**75.3**	% by Weight	
S-32			6050659-49				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**71.8**	% by Weight	
S-32-D			6050659-50				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.1**	% by Weight	
S-31-A			6050659-51				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**75.4**	% by Weight	
S-33			6050659-52				Soil	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**80.2**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA		Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:14

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
4-1			**6050659-53**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**77.4**	% by Weight	
4-1-D			**6050659-54**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**84.6**	% by Weight	
4-2			**6050659-55**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**77.2**	% by Weight	
4-2-D			**6050659-56**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**83.3**	% by Weight	
4-3			**6050659-57**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**71.6**	% by Weight	
4-3-D			**6050659-58**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**86.4**	% by Weight	
4-4			**6050659-59**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**79.2**	% by Weight	
4-4-D			**6050659-60**				**Soil**	
% Solids	6052608	5/26/06	5/26/06	EPA 160.3	0.01	**88.1**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:14

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
S-1	6050659-01	Soil	70.5	%
S-2	6050659-02	Soil	68.6	%
S-2-D	6050659-03	Soil	81.2	%
S-3	6050659-04	Soil	86.6	%
S-4	6050659-05	Soil	83	%
S-4-D	6050659-06	Soil	86.9	%
S-5	6050659-07	Soil	79.3	%
S-6	6050659-08	Soil	79.5	%
S-6-D	6050659-09	Soil	82	%
S-7	6050659-10	Soil	82.3	%
S-8	6050659-11	Soil	80.1	%
S-8-D	6050659-12	Soil	86.8	%
S-9	6050659-13	Soil	83.6	%
S-10	6050659-14	Soil	90.4	%
S-10-D	6050659-15	Soil	90	%
S-11	6050659-16	Soil	79.8	%
S-12	6050659-17	Soil	78.7	%
S-12-D	6050659-18	Soil	88.1	%
S-13	6050659-19	Soil	83	%

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:14

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
S-14	6050659-20	Soil	80.7	%
S-14-D	6050659-21	Soil	86.6	%
S-15	6050659-22	Soil	85.3	%
S-16	6050659-23	Soil	78.1	%
S-16-D	6050659-24	Soil	86.9	%
S-17	6050659-25	Soil	82.6	%
S-18	6050659-26	Soil	82.5	%
S-18-D	6050659-27	Soil	89.4	%
S-19	6050659-28	Soil	83.2	%
S-20	6050659-29	Soil	83.3	%
S-20-D	6050659-30	Soil	88.6	%
S-21	6050659-31	Soil	81.8	%
S-22	6050659-32	Soil	73	%
S-22-D	6050659-33	Soil	81.2	%
S-23	6050659-34	Soil	78.9	%
S-24	6050659-35	Soil	79.2	%
S-24-D	6050659-36	Soil	81.9	%
S-9-A	6050659-37	Soil	75.1	%
S-23-A	6050659-38	Soil	76.8	%

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:14

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
S-25	6050659-39	Soil	70.6	%
S-26	6050659-40	Soil	83.1	%
S-26-D	6050659-41	Soil	85.5	%
S-27	6050659-42	Soil	75.7	%
S-28	6050659-43	Soil	81.2	%
S-28-D	6050659-44	Soil	83.6	%
S-29	6050659-45	Soil	74.8	%
S-30	6050659-46	Soil	74.1	%
S-30-D	6050659-47	Soil	82.5	%
S-31	6050659-48	Soil	75.3	%
S-32	6050659-49	Soil	71.8	%
S-32-D	6050659-50	Soil	86.1	%
S-31-A	6050659-51	Soil	75.4	%
S-33	6050659-52	Soil	80.2	%
4-1	6050659-53	Soil	77.4	%
4-1-D	6050659-54	Soil	84.6	%
4-2	6050659-55	Soil	77.2	%
4-2-D	6050659-56	Soil	83.3	%
4-3	6050659-57	Soil	71.6	%

PENN E & R	Project:	Altemose	Sampled:	5/19/06
2755 Bergey Road	Project Number:	NA	Received:	5/22/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:14

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
4-3-D	6050659-58	Soil	86.4	%
4-4	6050659-59	Soil	79.2	%
4-4-D	6050659-60	Soil	88.1	%

Notes and Definitions

#	Note
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
MS4X	The source sample result for this MS/MSD is greater than 4 times the spike level, therefore % recoveries are statistically insignificant.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

July 26, 2006

(b) (4) [redacted]
PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Dear (b) (4) [redacted]

Enclosed are the results of analyses for sample(s) received by the laboratory on May 24, 2006. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4) [redacted]
Project Manager

PENN E & R	Project:	Altemose	Sampled:	5/23/06
2755 Bergey Road	Project Number:	NA	Received:	5/24/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
PS-11-R	6050714-01	Soil	5/23/06
PS-24-R	6050714-02	Soil	5/23/06
PS-25-R	6050714-03	Soil	5/23/06
PS-28-R	6050714-04	Soil	5/23/06
PS-19-R	6050714-05	Soil	5/23/06
PS-27-R	6050714-06	Soil	5/23/06
PS-33-R	6050714-07	Soil	5/23/06
PS-29-R	6050714-08	Soil	5/23/06
PS-36-R	6050714-09	Soil	5/23/06
PS-40-R	6050714-10	Soil	5/23/06

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4) Project Manager

PENN E & R	Project:	Altemose		Sampled:	5/23/06
2755 Bergey Road	Project Number:	NA		Received:	5/24/06
Hatfield, PA 19440	Project Manager:	(b) (4) [redacted]		Reported:	7/26/06 11:15

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
PS-11-R			**6050714-01**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	6.7	**58**	mg/kg dry	
PS-24-R			**6050714-02**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	6.4	**690**	mg/kg dry	
PS-25-R			**6050714-03**				**Soil**	
Lead	6053109	5/31/06	6/1/06	EPA 6010B	100	**28000**	mg/kg dry	DILN
PS-28-R			**6050714-04**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**460**	mg/kg dry	
PS-19-R			**6050714-05**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**3200**	mg/kg dry	
PS-27-R			**6050714-06**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**76**	mg/kg dry	
PS-33-R			**6050714-07**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**72**	mg/kg dry	
PS-29-R			**6050714-08**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**280**	mg/kg dry	
PS-36-R			**6050714-09**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**61**	mg/kg dry	
PS-40-R			**6050714-10**				**Soil**	
Lead	6053109	5/31/06	5/31/06	EPA 6010B	5.0	**1200**	mg/kg dry	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	5/23/06
2755 Bergey Road	Project Number:	NA		Received:	5/24/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
PS-11-R			**6050714-01**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**74.8**	% by Weight	
PS-24-R			**6050714-02**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**78.3**	% by Weight	
PS-25-R			**6050714-03**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**81.8**	% by Weight	
PS-28-R			**6050714-04**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**88.6**	% by Weight	
PS-19-R			**6050714-05**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**86.1**	% by Weight	
PS-27-R			**6050714-06**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**83.6**	% by Weight	
PS-33-R			**6050714-07**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**84.4**	% by Weight	
PS-29-R			**6050714-08**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**84.1**	% by Weight	
PS-36-R			**6050714-09**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**84.9**	% by Weight	
PS-40-R			**6050714-10**				**Soil**	
% Solids	6053006	5/30/06	5/30/06	EPA 160.3	0.01	**82.5**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose	Sampled:	5/23/06
2755 Bergey Road	Project Number:	NA	Received:	5/24/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
PS-11-R	6050714-01	Soil	74.8	%
PS-24-R	6050714-02	Soil	78.3	%
PS-25-R	6050714-03	Soil	81.8	%
PS-28-R	6050714-04	Soil	88.6	%
PS-19-R	6050714-05	Soil	86.1	%
PS-27-R	6050714-06	Soil	83.6	%
PS-33-R	6050714-07	Soil	84.4	%
PS-29-R	6050714-08	Soil	84.1	%
PS-36-R	6050714-09	Soil	84.9	%
PS-40-R	6050714-10	Soil	82.5	%

PENN E & R	Project:	Altemose	Sampled:	5/23/06
2755 Bergey Road	Project Number:	NA	Received:	5/24/06
Hatfield, PA 19440	Project Manager:	(b) (4) [redacted]	Reported:	7/26/06 11:15

Notes and Definitions

#	Note
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

July 26, 2006

(b) (4) [redacted]

PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Dear Mike Christie

Enclosed are the results of analyses for sample(s) received by the laboratory on June 16, 2006. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4) [redacted]
Project Manager

PENN E & R	Project:	Altemose	Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA	Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-34	6060543-01	Soil	6/15/06
S-35	6060543-02	Soil	6/15/06
S-36	6060543-03	Soil	6/15/06
S-37	6060543-04	Soil	6/15/06
S-38	6060543-05	Soil	6/15/06
S-39	6060543-06	Soil	6/15/06
S-40	6060543-07	Soil	6/15/06
S-41	6060543-08	Soil	6/15/06
S-42	6060543-09	Soil	6/15/06
S-43	6060543-10	Soil	6/15/06
S-44	6060543-11	Soil	6/15/06
S-45	6060543-12	Soil	6/15/06
S-46	6060543-13	Soil	6/15/06
S-47	6060543-14	Soil	6/15/06
S-48	6060543-15	Soil	6/15/06
S-49	6060543-16	Soil	6/15/06
S-50	6060543-17	Soil	6/15/06
S-51	6060543-18	Soil	6/15/06
S-52	6060543-19	Soil	6/15/06
S-53	6060543-20	Soil	6/15/06

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4) Project Manager

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-54	6060543-21	Soil	6/15/06
S-55	6060543-22	Soil	6/15/06
S-56	6060543-23	Soil	6/15/06
S-57	6060543-24	Soil	6/15/06
S-45-A	6060543-25	Soil	6/15/06
S-57-A	6060543-26	Soil	6/15/06
S-84-A	6060543-27	Soil	6/15/06
S-58	6060543-28	Soil	6/15/06
S-59	6060543-29	Soil	6/15/06
S-60	6060543-30	Soil	6/15/06
S-61	6060543-31	Soil	6/15/06
S-62	6060543-32	Soil	6/15/06
S-63	6060543-33	Soil	6/15/06
S-64	6060543-34	Soil	6/15/06
S-65	6060543-35	Soil	6/15/06
S-66	6060543-36	Soil	6/15/06
S-67	6060543-37	Soil	6/15/06
S-68	6060543-38	Soil	6/15/06
S-69	6060543-39	Soil	6/15/06
S-70	6060543-40	Soil	6/15/06

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4) Project Manager

PENN E & R	Project: Altemose	Sampled:	6/15/06
2755 Bergey Road	Project Number: NA	Received:	6/16/06
Hatfield, PA 19440	Project Manager: (b) (4)	Reported:	7/26/06 11:15

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-71	6060543-41	Soil	6/15/06
S-72	6060543-42	Soil	6/15/06
S-73	6060543-43	Soil	6/15/06
S-74	6060543-44	Soil	6/15/06
S-75	6060543-45	Soil	6/15/06
S-76	6060543-46	Soil	6/15/06
S-77	6060543-47	Soil	6/15/06
S-78	6060543-48	Soil	6/15/06
S-79	6060543-49	Soil	6/15/06
S-80	6060543-50	Soil	6/15/06
S-81	6060543-51	Soil	6/15/06
S-82	6060543-52	Soil	6/15/06
S-83	6060543-53	Soil	6/15/06
S-84	6060543-54	Soil	6/15/06

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4) Project Manager

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-34			**6060543-01**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	6.6	**5000**	mg/kg dry	
S-35			**6060543-02**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**6900**	mg/kg dry	
S-36			**6060543-03**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**3600**	mg/kg dry	
S-37			**6060543-04**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**4400**	mg/kg dry	
S-38			**6060543-05**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	6.6	**3400**	mg/kg dry	
S-39			**6060543-06**				**Soil**	
ead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**1600**	mg/kg dry	
S-40			**6060543-07**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**3200**	mg/kg dry	
S-41			**6060543-08**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	7.2	**6900**	mg/kg dry	
S-42			**6060543-09**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	6.5	**1100**	mg/kg dry	
S-43			**6060543-10**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**2900**	mg/kg dry	
S-44			**6060543-11**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**4200**	mg/kg dry	
S-45			**6060543-12**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**250**	mg/kg dry	
S-46			**6060543-13**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	6.5	**1100**	mg/kg dry	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-47			**6060543-14**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	8.1	**3900**	mg/kg dry	
S-48			**6060543-15**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	6.7	**5600**	mg/kg dry	
S-49			**6060543-16**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	5.0	**810**	mg/kg dry	
S-50			**6060543-17**				**Soil**	
Lead	6062207	6/22/06	6/23/06	EPA 6010B	100	**36000**	mg/kg dry	DILN
S-51			**6060543-18**				**Soil**	
Lead	6062207	6/22/06	6/22/06	EPA 6010B	6.8	**510**	mg/kg dry	
S-52			**6060543-19**				**Soil**	
ead	6062207	6/22/06	6/22/06	EPA 6010B	6.6	**36**	mg/kg dry	G02
S-53			**6060543-20**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.8	**100**	mg/kg dry	G02, G04
S-54			**6060543-21**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.6	**1100**	mg/kg dry	G04
S-55			**6060543-22**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**730**	mg/kg dry	G04
S-56			**6060543-23**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**240**	mg/kg dry	G04
S-57			**6060543-24**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.8	**170**	mg/kg dry	G04
S-45-A			**6060543-25**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**240**	mg/kg dry	G04
S-57-A			**6060543-26**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.8	**180**	mg/kg dry	G04

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-84-A			**6060543-27**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**41**	mg/kg dry	G04
S-58			**6060543-28**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.6	**94**	mg/kg dry	G04
S-59			**6060543-29**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.9	**470**	mg/kg dry	G04
S-60			**6060543-30**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**840**	mg/kg dry	G04
S-61			**6060543-31**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.7	**880**	mg/kg dry	G04
S-62			**6060543-32**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.6	**86**	mg/kg dry	G04
S-63			**6060543-33**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.6	**61**	mg/kg dry	G04
S-64			**6060543-34**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.3	**4200**	mg/kg dry	G04
S-65			**6060543-35**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**1100**	mg/kg dry	G04
S-66			**6060543-36**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	7.9	**3000**	mg/kg dry	G04
S-67			**6060543-37**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.7	**59**	mg/kg dry	G04
S-68			**6060543-38**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	7.5	**1200**	mg/kg dry	G04
S-69			**6060543-39**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	7.3	**2600**	mg/kg dry	G04

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-70			**6060543-40**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.4	**790**	mg/kg dry	G04
S-71			**6060543-41**				**Soil**	
Lead	6062310	6/23/06	6/26/06	EPA 6010B	130	**29000**	mg/kg dry	DILN, G04
S-72			**6060543-42**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.7	**57**	mg/kg dry	G04
S-73			**6060543-43**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	7.1	**62**	mg/kg dry	G04
S-74			**6060543-44**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.3	**7800**	mg/kg dry	G04
S-75			**6060543-45**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.7	**690**	mg/kg dry	G04
S-76			**6060543-46**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.4	**98**	mg/kg dry	G04
S-77			**6060543-47**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.6	**46**	mg/kg dry	G04
S-78			**6060543-48**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.8	**12000**	mg/kg dry	G04
S-79			**6060543-49**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.6	**200**	mg/kg dry	G04
S-80			**6060543-50**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	7.1	**74**	mg/kg dry	G04
S-81			**6060543-51**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	7.1	**60**	mg/kg dry	G04
S-82			**6060543-52**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.4	**2000**	mg/kg dry	G04

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-83			**6060543-53**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	6.7	**330**	mg/kg dry	G04
S-84			**6060543-54**				**Soil**	
Lead	6062310	6/23/06	6/23/06	EPA 6010B	5.0	**29**	mg/kg dry	G04

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-34			**6060543-01**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.5**	% by Weight	
S-35			**6060543-02**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**89.4**	% by Weight	
S-36			**6060543-03**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**91.6**	% by Weight	
S-37			**6060543-04**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**86.3**	% by Weight	
S-38			**6060543-05**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**76.1**	% by Weight	
S-39			**6060543-06**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**82.5**	% by Weight	
S-40			**6060543-07**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**92.5**	% by Weight	
S-41			**6060543-08**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**69.5**	% by Weight	
S-42			**6060543-09**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**77.2**	% by Weight	
S-43			**6060543-10**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**86.5**	% by Weight	
S-44			**6060543-11**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**84.4**	% by Weight	
S-45			**6060543-12**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**82.8**	% by Weight	
S-46			**6060543-13**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**77.4**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-47			**6060543-14**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**61.8**	% by Weight	
S-48			**6060543-15**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**74.3**	% by Weight	
S-49			**6060543-16**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**83.8**	% by Weight	
S-50			**6060543-17**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**81.4**	% by Weight	
S-51			**6060543-18**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**73.4**	% by Weight	
S-52			**6060543-19**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**76.0**	% by Weight	
S-53			**6060543-20**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**74.0**	% by Weight	
S-54			**6060543-21**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.3**	% by Weight	
S-55			**6060543-22**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**80.6**	% by Weight	
S-56			**6060543-23**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**92.8**	% by Weight	
S-57			**6060543-24**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**73.5**	% by Weight	
S-45-A			**6060543-25**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**84.2**	% by Weight	
S-57-A			**6060543-26**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**73.5**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-84-A			**6060543-27**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**81.0**	% by Weight	
S-58			**6060543-28**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.2**	% by Weight	
S-59			**6060543-29**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**72.7**	% by Weight	
S-60			**6060543-30**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**80.8**	% by Weight	
S-61			**6060543-31**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**74.4**	% by Weight	
S-62			**6060543-32**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**76.2**	% by Weight	
S-63			**6060543-33**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.6**	% by Weight	
S-64			**6060543-34**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**79.5**	% by Weight	
S-65			**6060543-35**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**82.5**	% by Weight	
S-66			**6060543-36**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**63.5**	% by Weight	
S-67			**6060543-37**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.1**	% by Weight	
S-68			**6060543-38**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**66.4**	% by Weight	
S-69			**6060543-39**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**68.3**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-70			**6060543-40**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**77.7**	% by Weight	
S-71			**6060543-41**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.3**	% by Weight	
S-72			**6060543-42**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**74.9**	% by Weight	
S-73			**6060543-43**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**70.5**	% by Weight	
S-74			**6060543-44**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**79.8**	% by Weight	
S-75			**6060543-45**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**75.0**	% by Weight	
S-76			**6060543-46**				**Soil**	
% Solids	6062019	6/20/06	6/20/06	EPA 160.3	0.01	**77.8**	% by Weight	
S-77			**6060543-47**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**75.8**	% by Weight	
S-78			**6060543-48**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**73.2**	% by Weight	
S-79			**6060543-49**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**75.5**	% by Weight	
S-80			**6060543-50**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**70.8**	% by Weight	
S-81			**6060543-51**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**70.9**	% by Weight	
S-82			**6060543-52**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**78.3**	% by Weight	

**Refer to end of report for text of notes and definitions.*

PENN E & R	Project:	Altemose		Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA		Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)		Reported:	7/26/06 11:15

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - King Of Prussia, PA

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-83			**6060543-53**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**74.9**	% by Weight	
S-84			**6060543-54**				**Soil**	
% Solids	6062101	6/21/06	6/21/06	EPA 160.3	0.01	**80.9**	% by Weight	

PENN E & R	Project:	Altemose	Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA	Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
S-34	6060543-01	Soil	75.5	%
S-35	6060543-02	Soil	89.4	%
S-36	6060543-03	Soil	91.6	%
S-37	6060543-04	Soil	86.3	%
S-38	6060543-05	Soil	76.1	%
S-39	6060543-06	Soil	82.5	%
S-40	6060543-07	Soil	92.5	%
S-41	6060543-08	Soil	69.5	%
S-42	6060543-09	Soil	77.2	%
S-43	6060543-10	Soil	86.5	%
S-44	6060543-11	Soil	84.4	%
S-45	6060543-12	Soil	82.8	%
S-46	6060543-13	Soil	77.4	%
S-47	6060543-14	Soil	61.8	%
S-48	6060543-15	Soil	74.3	%
S-49	6060543-16	Soil	83.8	%
S-50	6060543-17	Soil	81.4	%
S-51	6060543-18	Soil	73.4	%
S-52	6060543-19	Soil	76	%

PENN E & R	Project:	Altemose	Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA	Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
S-53	6060543-20	Soil	74	%
S-54	6060543-21	Soil	75.3	%
S-55	6060543-22	Soil	80.6	%
S-56	6060543-23	Soil	92.8	%
S-57	6060543-24	Soil	73.5	%
S-45-A	6060543-25	Soil	84.2	%
S-57-A	6060543-26	Soil	73.5	%
S-84-A	6060543-27	Soil	81	%
S-58	6060543-28	Soil	75.2	%
S-59	6060543-29	Soil	72.7	%
S-60	6060543-30	Soil	80.8	%
S-61	6060543-31	Soil	74.4	%
S-62	6060543-32	Soil	76.2	%
S-63	6060543-33	Soil	75.6	%
S-64	6060543-34	Soil	79.5	%
S-65	6060543-35	Soil	82.5	%
S-66	6060543-36	Soil	63.5	%
S-67	6060543-37	Soil	75.1	%
S-68	6060543-38	Soil	66.4	%

PENN E & R	Project:	Altemose	Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA	Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

Dry Weight Determination
TestAmerica - King Of Prussia, PA

Sample Name	Lab ID	Matrix	Result	Units
S-69	6060543-39	Soil	68.3	%
S-70	6060543-40	Soil	77.7	%
S-71	6060543-41	Soil	75.3	%
S-72	6060543-42	Soil	74.9	%
S-73	6060543-43	Soil	70.5	%
S-74	6060543-44	Soil	79.8	%
S-75	6060543-45	Soil	75	%
S-76	6060543-46	Soil	77.8	%
S-77	6060543-47	Soil	75.8	%
S-78	6060543-48	Soil	73.2	%
S-79	6060543-49	Soil	75.5	%
S-80	6060543-50	Soil	70.8	%
S-81	6060543-51	Soil	70.9	%
S-82	6060543-52	Soil	78.3	%
S-83	6060543-53	Soil	74.9	%
S-84	6060543-54	Soil	80.9	%

PENN E & R	Project:	Altemose	Sampled:	6/15/06
2755 Bergey Road	Project Number:	NA	Received:	6/16/06
Hatfield, PA 19440	Project Manager:	(b) (4)	Reported:	7/26/06 11:15

Notes and Definitions

#	Note
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

APPENDIX E

MATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS No.: 2650
Date Prepared: 12/00
This Revision: 1/05

Phone: PREMIER CHEMICALS: 1-419-986-5126
CHEMTREC, 24-Hr Emergency Assistance: 1-800-424-9300

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material / Product Name(s): ENVIRO BLEND®
CAS Number: Mixture
Chemical Family: Inorganic - Mineral
General Use: A varying mix of magnesium oxide and calcium phosphates. Mix ratio depends on customer requirement and may vary from 1-99. Product used for metal containing waste stabilization.
Manufacturer / Supplier: PREMIER CHEMICALS
Research Center
495 Emma Street
PO Box 392
Bettsville, OH 44815 Phone: 1-419-986-5126

SECTION 2. INGREDIENTS / COMPOSITION

Ingredient name:	CAS Number:	Percent:	IARC/NTP/OSHA:	Exposure Limits:
Nonhazardous Ingredients: A variable blend of magnesium oxide and calcium phosphates	1309-48-4 7758-23-8 & 7758-87-4	99-100	No	Nuisance Particulate OSHA PEL:TWA 15mg/m^3;respirable: 5mg/m^3. ACGIH TLV:TWA Total dust:10mg/m^3; respirable dust: 5mg/m^3.
Phosphoric Acid	7664-38-2	0 - 1	No	OSHA PEL:TWA 1.0mg/m^3; STEL 3.0mg/m^3 as mist.
Quartz*	14808-60-7	<1	Yes	ACGIH TLV:TWA respirable quartz: 0.05mg/m^3.

***Quartz.** Product may contain a trace of quartz, a polymorph of crystalline silica, which is classified by IARC as a "Known Human Carcinogen - Group 1.". NTP lists respirable crystalline silica amongst substances which may "reasonably be anticipated to be carcinogens".

SECTION 3. HAZARDS IDENTIFICATION

HMIS

HEALTH HAZARD	1 - SLIGHT
FLAMMABILITY HAZARD	0 - MINIMAL
REACTIVITY HAZARD	1 - SLIGHT
PERSONAL PROTECTION	B - Glasses, Gloves

EMERGENCY OVERVIEW:
Off-white to gray free flowing powder. Blends high in magnesium oxide. Will react with water generating some heat. Not a fire or spill hazard. Low toxicity. Dust is classified as a "nuisance particulate not otherwise regulated".

Target Organs: Chronic overexposure may cause lung damage.
Primary route(s) of entry: Inhalation
Acute effects: Excessive exposure to airborne particulate may cause eye and upper respiratory irritation.
Chronic effects: Product dust is classified as a "nuisance particulate, not otherwise regulated" as specified by ACGIH and OSHA. The excessive, long-term inhalation of mineral dusts may contribute to the development of industrial bronchitis, reduced breathing capacity, and may lead to the increased susceptibility to lung disease.

 HAZARD IDENTIFICATION continues on page 2

MATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS No.: 2650
Date Prepared: 12/00
This Revision: 1/05

Phone: PREMIER CHEMICALS: 1-419-986-5126
CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

HAZARD IDENTIFICATION continued from page 1

Signs & symptoms of overexposure:

Eye contact: Particulate is a physical eye irritant.
Skin contact: Low toxicity by skin contact.
Inhalation: Chronic overexposure by inhalation of airborne particulate may irritate upper respiratory system as well as the throat.
Ingestion: An unlikely route of exposure. If ingested in sufficient quantity, may cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SECTION 4. FIRST AID MEASURES

Eye contact: Flush eyes, including under the eyelids, with large amounts of water. If irritation persists, seek medical attention.
Skin contact: Wash affected areas with mild soap and water.
Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
Ingestion: Ingestion is an unlikely route of exposure. If ingested in sufficient quantity and victim is conscious, give 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Leave decision to induce vomiting to qualified medical personnel, since particles may be aspirated into the lungs. Seek immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

NFPA code: Flammability: 0, **Health:** 0, **Reactivity:** 1, **Special:** 0.
Flash point: Not Combustible
Unusual Fire Hazard / Extinguishing Media: Product will react with water generating some heat. Use sufficient water to dissipate any excessive heat buildup.
Hazardous Decomposition Products: None
Firefighting Instructions: Firefighters should wear NIOSH-approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill procedures: Product is not harmful to the environment. Carefully, clean up and place spilled material into a suitable container, being careful to avoid creating excessive dust. If conditions warrant, clean up personnel should wear approved respiratory protection, gloves, and goggles to prevent irritation from contact and/or inhalation.

SECTION 7. HANDLING AND STORAGE

Storage: Store in dry, protected storage. Do not allow water to get inside containers; reaction with water will cause product to swell, generate heat, and burst its container. Exposed and unprotected the product will absorb moisture from the air. Minimize dust generation during material handling and transfer.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Provide sufficient ventilation, in both volume and air flow patterns to control mist/dust concentrations below allowable exposure limits.
Personal protective equipment: The use of eye protection, gloves and long sleeve clothing is recommended.
Respiration protection: Provide workers with NIOSH approved respirators in accordance with requirements of 29 CFR 1910.134 for level of exposure incurred.
Hygienic Practices: Avoid contact with skin eyes and clothing. After handling this product wash hands before eating or drinking.

MSDS continues on page 3

MATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS No.: 2650
Date Prepared: 12/00
This Revision: 1/05

Phone: PREMIER CHEMICALS: 1-419-986-5126
CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A grayish-brown free flowing powder; odorless.
Boiling Point: Not Applicable
Melting Point: >3800°F (>2100°C)
Water Solubility: Slight <1%
Specific Gravity (g/cc): Mixture
% Volatile by volume: 0
Evaporation rate: Not Applicable
pH (10% aqueous slurry): 2.5-10 (depending on blend ratio)
Bulk Density (lbs./cu.ft.): 45-70 (depending on blend ratio)

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur
Chemical Incompatibilities: The magnesium oxide component is soluble in aqueous acids generating heat and steam; violent reaction or ignition with interhalogens (e.g., bromine pentifluoride; chlorine trifluoride). Incandescent reaction with phosphorus pentachloride. Will react with water generating some heat.
Hazardous Decomposition Products: None

SECTION 11. TOXICOLOGICAL INFORMATION

Magnesium Oxide CAS #1309-48-4 Toxic and Hazard Review: low toxicity - a nutrient and/or dietary supplement food additive. THERAP CAT: antacid. (Sax) an experimental tumorigen. Inhalation of fume (not MgO dust particular) produced upon decomposition of magnesium compounds can produce a febrile reaction and leukocytosis in humans.

TOXICITY DATA: ihl-hmn TCLo:400mg/m^3; itr-ham TDLo:480 mg/kg/30w-I:ETA.

Triple Super Phosphate CAS#65996-95-4. Produced by addition of phosphoric acid to phosphate rock. Can contain up to 1% phosphoric acid. Phosphoric acid is cited as a human poison by unspecified route. Moderately toxic by ingestion and skin contact. A corrosive irritant to eyes, skin and mucous membranes and a systemic irritant by inhalation. (Please note, any free phosphoric acid in the triple super phosphate will react with the magnesium oxide component of the product forming a magnesium phosphate - the product will not contain any free acid.)

TOXICITY DATA: No LD_{50} or LC_{50} found for oral, dermal, or inhalation routes of administration.

Quartz CAS #14808-60-7. Toxic and Hazard Review (Sax): Experimental poison by intratracheal and intravenous routes. An experimental carcinogen, tumorigen, and neoplastigen. Human systemic effects by inhalation: cough, dyspnea, liver effects. Listed by IARC as a "Known Human Carcinogen" Group 1. Listed by NTP. No LD_{50} in RTECS. Inhalation human: TCLo 16 million particles per cubic centimeter per 8 hours per 17.8 Years-Intermittent:; Pulmonary system effects; Inhalation-human LCLo: 300 micrograms/m^3 per 10 years-intermittent liver. Other species toxicity data (NIOSH RTECS): intravenous-rat LDLo: 90mg/kg; intraperitoneal-rat LDLo: 20mg/kg; intravenous-mouse LDLo: 40mg/kg; intravenous-dog LDLo: 20mg/kg.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological / Chemical Fate Information:
No data available on any adverse effects of this material on the environment.

SECTION 13. DISPOSAL INFORMATION

Waste Management/Disposal: This product, as manufactured will not exhibit any characteristics of a hazardous waste, and is suitable for landfill disposal. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material. If, however, the product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine the proper method for disposal. Waste characterization and disposal/treatment methods should be determined by a qualified environmental professional in accordance with applicable federal, state and local regulations.

MATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS No.: 2650
Date Prepared: 12/00
This Revision: 1/05

Phone: PREMIER CHEMICALS: 1-419-986-5126
CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

SECTION 14. TRANSPORT INFORMATION

US Department of Transportation: Not regulated by DOT as a hazardous material. No hazard class, no label or placard required, no UN or NA number assigned.
Canadian TDG Hazard Class & Pin: Not regulated.

SECTION 15. REGULATORY INFORMATION

Product or components of mixture regulated under following lists:
SARA TITLE III:

Section 302: NO (Extremely Hazardous Substances)
Section 304: NO (Emergency Release)
Section 311: YES (*Community Right-to-Know*, MSDSs or List of Chemicals)
Section 312: YES (*Community Right-to-Know*, Inventory and Location, (Tier I/II))
Section 313: NO (Toxic Chemicals, Toxic Chemical Release Reporting, Form R)

TSCA: All substances in this product are listed in the Chemical Substance Inventory of the Toxic Substances Control Act.
CERCLA Hazardous Substance List, RQ: No
California Proposition 65: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive toxins.

SECTION 16. OTHER INFORMATION

ACRONYMS AND REFERENCES USED IN PREPARATION OF MSDS':

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS#:	CAS Registration Number is an assigned number to identify a material. CAS stands for Chemical Abstracts Service.
CERCLA:	Comprehensive Environmental Response, Compensation & Liability Act
EPCRA:	Emergency Planning and Community Right-to-Know Act of 1986
HMIS™:	Hazardous Materials Identification System (National Paint & Coatings Association)
IARC:	International Agency for Research on Cancer
MSHA:	Mine Safety and Health Administration
mg/m^3:	Milligrams per cubic meter
NIOSH:	National Institute for Occupational Safety and Health
NFPA:	National Fire Protection Association
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit (OSHA)
REL:	Recommended Exposure Limit (OSHA)
SARA:	Superfund Amendments and Reauthorization Act
TITLE III:	Emergency Planning and Community Right-to-Know Act
Section 302:	Extremely Hazardous Substances
Section 304:	Emergency Release
Section 311:	*Community Right-to-Know*, MSDSs or List of Chemicals
Section 312:	*Community Right-to-Know*, Inventory and Location, (Tier I/II)
Section 313:	Toxic Chemicals, Toxic Chemical Release Reporting, Form R
TLV:	Threshold Limit Values (ACGIH)
TWA:	Time Weighted Average
29CFR1910.134:	OSHA Respiratory Protection Standard

MSDS continues on page 5

MATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS No.: 2650
Date Prepared: 12/00
This Revision: 1/05

Phone: PREMIER CHEMICALS: 1-418-986-5126
CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

REFERENCES:

Sax, N. Irving: Dangerous Properties of Industrial Materials, Ninth Edition, Van Nostrand Reinhold Co., Inc., 1986.
Kirk, R. and Othmer, D., Encyclopedia of Chemical Technology, Third Edition, Wiley-Interscience, New York, NY 1982.
Clansky, K.B., Suspect Chemicals Sourcebook, 1992-2nd Edition, Roytech Publications, Bethesda, Maryland.
Sax, N. Irving and Lewis, R.J. Hawley's Condensed Chemical Dictionary, Eleventh Ed., Van Nostrand Reinhold Co., Inc., NY
Manufacturers / Suppliers, Material Safety Data Sheets on Raw Materials Used
American National Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets - Preparation, American National Standards Institute, Inc., 11 West 42nd St, New York, NY 10036.

Prepared/revised: (b) (4) January 12, 2005

Although reasonable care has been taken in the preparation of the information contained herein, Premier Chemicals extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

APPENDIX F

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

16 August 2006
(b) (4)

PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Enclosed are the results of analyses for samples received by the laboratory on 08/09/06 10:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4)

(b) (4)
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	08/16/06 10:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pond - 1	KPH0301-01	Water	08/08/06 15:10	08/09/06 10:00
Pond - 2	KPH0301-02	Water	08/08/06 15:20	08/09/06 10:00
Pond - 3	KPH0301-03	Water	08/08/06 15:30	08/09/06 10:00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

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1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	**Reported:**
Hatfield PA, 19440	Project Manager: [redacted] (b) (4)	08/16/06 10:48

Total Metals by EPA 200 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pond - 1 (KPH0301-01) Water Sampled: 08/08/06 15:10 Received: 08/09/06 10:00									
Lead	**12**	2.4	ug/l	5	6081418	08/14/06	08/15/06	EPA 200.8	
Pond - 2 (KPH0301-02) Water Sampled: 08/08/06 15:20 Received: 08/09/06 10:00									
Lead	ND	2.4	ug/l	5	6081418	08/14/06	08/15/06	EPA 200.8	
Pond - 3 (KPH0301-03) Water Sampled: 08/08/06 15:30 Received: 08/09/06 10:00									
Lead	**29**	2.4	ug/l	5	6081418	08/14/06	08/15/06	EPA 200.8	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

[redacted] (b) (4)

[redacted] (b) (4) Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	08/16/06 10:48

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

1008 W. Ninth Avenue
King of Prussia, PA 19406
(610) 337-9992
FAX (610) 337-9939

1090 King Georges Post Rd
Suite 803
Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Rd
Hatfield PA
Report to E-mail: [redacted] (b) (4) Phone #: ( ) Fax #: ( )
Project Name: Altemose
Project #/PO#:
Sampler: [redacted] (b) (4)

Bill To:
Address:
Terms: Net 30 days
State & Program:
Phone #: ( ) Fax #: ( )

TAT: STD 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS
Received: ☐ ice ☐ ambient
DATE RESULTS NEEDED:
Deliverable Package: ☐ NO ☐ YES
Temp. Upon Receipt: 0°C
If Yes, please explain:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	Total Lead	Total Lead	ANALYSIS TYPE						CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	Pond-1 PID:	8/8/6	15:10	water											X									KPH0301-01
2	Pond-2 PID:	↓	15:20	↓											X									-02
3	Pond-3 PID:	↓	15:30	↓											X									-03
4	PID:																							
5	PID:																							
6	PID:																							
7	PID:																							
8	PID:																							
9	PID:																							
10	PID:																							

[redacted] (b) (4)	DATE 8/8/6 TIME 1620V	[redacted] (b) (4) 8/9/6	DATE 10:00 TIME	RELINQUISHED DATE TIME	RECEIVED DATE TIME
[redacted]	DATE TIME	[redacted]	DATE TIME	RELINQUISHED DATE TIME	RECEIVED DATE TIME

COMMENTS:

PAGE OF

TestAmerica
ANALYTICAL TESTING CORPORATION

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1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

15 September 2006
(b) (4)

PENN E & R
2755 Bergey Road
Hatfield, PA 19440

RE: Altemose

Enclosed are the results of analyses for samples received by the laboratory on 09/11/06 10:42. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

(b) (4)

Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/15/06 14:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pond-1-RSR	KPI0244-01	Water	09/08/06 14:55	09/11/06 10:42
Pond-1-RSF	KPI0244-02	Water	09/08/06 15:00	09/11/06 10:42
Pond-3-RSR	KPI0244-03	Water	09/08/06 15:10	09/11/06 10:42
Pond-3-RSF	KPI0244-04	Water	09/08/06 15:15	09/11/06 10:42

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/15/06 14:45

Total Metals by EPA 200 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pond-1-RSR (KPI0244-01) Water Sampled: 09/08/06 14:55 Received: 09/11/06 10:42									
Lead	12	2.4	ug/l	5	6091420	09/14/06	09/15/06	EPA 200.8	
Pond-1-RSF (KPI0244-02) Water Sampled: 09/08/06 15:00 Received: 09/11/06 10:42									
Lead	17	2.4	ug/l	5	6091420	09/14/06	09/15/06	EPA 200.8	
Pond-3-RSR (KPI0244-03) Water Sampled: 09/08/06 15:10 Received: 09/11/06 10:42									
Lead	75	2.4	ug/l	5	6091420	09/14/06	09/15/06	EPA 200.8	
Pond-3-RSF (KPI0244-04) Water Sampled: 09/08/06 15:15 Received: 09/11/06 10:42									
Lead	71	2.4	ug/l	5	6091420	09/14/06	09/15/06	EPA 200.8	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

(b) (4)

(b) (4) Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406 (610) 337-9992 - FAX (610) 337-9939
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

PENN E & R	Project: Altemose	
2755 Bergey Road	Project Number: NA	Reported:
Hatfield PA, 19440	Project Manager: (b) (4)	09/15/06 14:45

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

1008 W. Ninth Avenue
King of Prussia, PA 19406
(610) 337-9992
FAX (610) 337-9939

1090 King Georges Post Rd
Suite 803
Edison, NJ 08837
(732) 661-0777
FAX (732) 661-0305

Client: Penn E&R
Address: 2755 Bergey Rd
Hatfield, PA 19040
Report to: (b) (4) Phone #: ( )
E-mail: Fax #: ( )
Project Name: Altemose
Project #/PO#:
Sampler: (b) (4)

Bill To:
Address: Same
Terms: Net 30 days
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.
Received: ☐ ice ☐ ambient
Deliverable Package: ☐ NO ☐ YES
If Yes, please explain:
DATE RESULTS NEEDED:
Temp. Upon Receipt: Ø°C

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED ☐ YES ☐ NO	Lead total	ANALYSIS TYPE							CRACKED BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	Pond-1-RSR PID:	9/8/6	14 35	water				1				1		X										KPI0244-01
2	Pond-1-RSF PID:		1500					1				1		X										-02
3	Pond-3-RSR PID:		15:10					1				1		X										-03
4	Pond 3-RSF PID:		15:15					1				1		X										-04
5	PID:																							
6	PID:																							
7	PID:																							
8	PID:																							
9	PID:																							
10	PID:																							

RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME
(b) (4)	9/8/6	1600	(b) (4)			(b) (4)	9/11/06	1042	(b) (4)	9/11/06	1042
RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME

COMMENTS:

PAGE OF

APPENDIX G

Pennsylvania Department of Environmental Protection

2 East Main Street
Norristown, PA 19401

Southeast Regional Office

Phone: 484-250-5970
Fax: 484-250-5971

October 10, 2006

Mr. Michael A. Christie, P.G.
Vice President
Penn Environmental & Remediation, Inc.
2755 Bergey Road
Hatfield, PA 19440

Re: Temporary Discharge Request
File Type: General
Location: Former Steiert Facility
Hatfield Township
Montgomery County

Dear Mr. Christie:

This is in response to your September 13, 2006, letter requesting approval for a temporary discharge of treated groundwater to the West Branch Neshaminy Creek in Hatfield Township, Montgomery County.

The groundwater will be treated by filtration and sedimentation prior to discharge.

We approve your request to discharge, subject to the following conditions:

1. Permission to discharge to sanitary sewers adjacent to the site has been denied by the sanitary sewer system owner.

2. Effluent Limitations:

Discharge Parameter	Average Values (ug/l)	Instantaneous Maximum (ug/l)
Lead	15.0	
pH	Within limits of 6.0-9.0 standard units at all times	

3. Effluent samples from the detention basin shall be collected and analyzed. At least two representative samples shall be taken not less than 48 hours apart during the first week of the discharge. After the first week, the sampling frequency shall be biweekly until the discharge ceases.

4. All monitoring results and a copy of this letter must accompany any future National Pollutant Discharge Elimination System (NPDES) or Water Quality Management permit applications.

5. This discharge shall not induce erosion of the ground surface, banks or streambed; appropriate erosion and sedimentation controls shall be installed.

6. Notify the Environmental Cleanup Program 24 hours prior to the discharge.

7. Monitoring results must be submitted within 28 days after completion of the test to:

   Pennsylvania Department of Environmental Protection
   Environmental Cleanup Program
   2 East Main Street
   Norristown, PA 19401

8. If the temporary discharge authorized by this approval does not comply with all conditions outlined herein, the discharge constitutes an unpermitted discharge and is subject to all penalty provisions under the Clean Streams Law.

9. This temporary discharge approval shall expire 180 days from the date of this letter.

Please note that the Department of Environmental Protection (Department) will no longer be accepting requests for temporary discharge approvals. Instead, the General Permit (PAG-05) for discharges from petroleum product contaminated groundwater remediation systems is available. The PAG-05 is good for five years and gives coverage for discharges generated from pump tests, ongoing remediation systems, etc., from the site. Application for the PAG-05 should be made at the same time Notification of Release is made to the Department. This will provide us with sufficient time to process the application so that discharges are appropriately covered under an NPDES permit.

If you have any questions, please call Mr. Philip Wenrich of the Permits Section at 484-250-5189.

Sincerely,

Jenifer Fields, P.E.
Regional Manager
Water Management

cc: Mr. Armstrong, PADEP
Ms. Fang, P.E. - U.S. EPA, Remedial Project Manager
Mr. McKenna - Montgomery County Conservation District
Hatfield Township
Environmental Cleanup Program
Permits Chief
Operations Section
File
Re (GJE06WQ)279-11

APPENDIX H

DATA SUMMARY OF LEAD AND TCLP LEAD RESULTS
NORTH PENN STEIERT SUPERFUND SITE

Sample ID:	10000A-5	10000A-7	10000B-1	10000B-1-DUP	10000B-5	200-A	200-B	200-C	200-D	200-E	200-F
Sample Date:	12/19/2006	12/19/2006	12/29/2006	12/29/2006	12/29/2006	3/8/2007	3/12/2007	3/21/2007	3/26/2007	4/5/2007	4/11/2007
Duplicate:			10000B-1-DUP	10000B-1							
INORGANICS											
Lead (mg/kg)	38.2	40.4	398	278	304	NA	NA	NA	NA	NA	NA
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	UJ	1.08	1.9	0.688	0.514	0.595

Sample ID:	200-H	CS-1	CS-12	CS-5	CS-8	PE-101	PE-105	PE-109	PE-119	PE-133A	PE-16
Sample Date:	5/8/2007	9/5/2007	9/5/2007	9/5/2007	9/5/2007	5/17/2007	5/17/2007	5/17/2007	5/23/2007	5/30/2007	12/18/2006
Duplicate:											
INORGANICS											
Lead (mg/kg)	NA	398	59.6	38.5	222	171	29.7	31	157	18.3	111
TLCP Lead (mg/l)	2.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID:	PE-18	PE-27	PE-3	PE-33	PE-33A	PE-33B	PE-34	PE-35	PE-45	PE-49	PE-53A
Sample Date:	12/18/2006	12/29/2006	11/20/2006	12/29/2006	1/24/2007	1/24/2007	12/29/2006	12/29/2006	2/20/2007	2/20/2007	5/23/2007
Duplicate:											
INORGANICS											
Lead (mg/kg)	223	227	16.6	3980	15.8	40.4	33.6	13.2	997	226	14.4
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID:	PE-53F	PE-56	PE-58	PE-62	PE-66	PE-66-DUP	PE-73A	PE-74	PE-74-DUP	PE-75	PE-78
Sample Date:	5/30/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	3/14/2007	2/20/2007	2/20/2007	2/20/2007	3/1/2007
Duplicate:					PE-66-DUP	PE-66		PE-74-DUP	PE-74		
INORGANICS											
Lead (mg/kg)	1360	173	1750 L	288	71.6	212	10.5	222	140	39.4	12.9
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	NA	UJ	NA	NA	NA	NA

Sample ID:	PE-80	PE-84	PE-87B	PE-88	PE-9	PE-90	PE-95	TB-2	TS-1	TS-2	US-1
Sample Date:	3/1/2007	5/1/2007	5/17/2007	5/1/2007	11/20/2006	5/1/2007	5/17/2007	9/5/2007	2/28/2007	3/6/2007	2/28/2007
Duplicate:											
INORGANICS											
Lead (mg/kg)	14.2	33.4	30	25.5	69	106	164	152	NA	1990	NA
TLCP Lead (mg/l)	NA	NA	NA	NA	NA	NA	NA	NA	UJ	1.05	UJ

Sample ID:	US-2
Sample Date:	3/5/2007
Duplicate:	
INORGANICS	
Lead (mg/kg)	1220
TLCP Lead (mg/l)	1.96 J

Data Qualifiers:

J -- Value is considered estimated due to exceedance of technical quality control criteria or because result is less than the Contract Required Quantitation Limit (CRQL).

L -- Positive result is considered biased low due to exceedance of technical quality control criteria.

UJ -- Non-detected result is considered estimated due to exceedance of technical quality control criteria.

NA -- No result is available/applicable for this parameter in this sample.